

167460



Applied Chemistry, Creative Solutions

Solutia Inc.

575 Maryville Centre Drive
St. Louis, Missouri 63141

P.O. Box 66760
St. Louis, Missouri 63166-6760
Tel/ 314-674-1000

August 30, 2000

Tom Long
1422 SOM Center Rd.
No. 102 Mayfield Heights
Beachwood, Ohio 44124

Re: **Sauget Sites Area I January 21, 1999 Administrative Order by Consent**
• Residential Soil Sampling Results

Dear Mr. Long,

Pursuant to the January 21, 1999 Administrative Order by Consent for Sauget Sites Area I, Solutia was required to sample surface soils (0-0.5 ft. below ground surface) and subsurface soils (0.5-6 ft. below ground surface) at 20 residences in Cahokia along Dead Creek. All samples were analyzed for the following compounds: Volatile and semi-volatile organics; metals; mercury; cyanide; PCBs; pesticides; herbicides and dioxins (all surface soils & 20% subsurface). As a requirement of the access agreement between Solutia and each of the 20 property owners, Solutia is required to communicate the final sampling results to each owner. These results are enclosed on a property specific basis for the 20 locations.

The United States Environmental Protection Agency (USEPA) is also in receipt of these results - along with most of the additional results from the samples collected at the Area I Site over the past several months. Over the next several months, the entire data set from the Area I study - including this information from these 20 residential properties - will be evaluated by Solutia and USEPA and conclusions reached on what final actions might be appropriate for Dead Creek and the entire study area. USEPA's initial conclusion after review of the data is: "Preliminary results show no unsafe levels of metals, PCBs, or other contaminants with the Dead Creek contamination." (see USEPA fact sheet in Attachment V, "Dead Creek Cleanup Update").

Beginning August 30, Solutia will begin the process of communicating these results to each of the 20 residential participants in the study. We will accomplish this by delivering letters to each resident which include results of samples for their property (sample letter



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August 30, 2000

Dave Webb
Illinois Department of Public Health
22 Kettle River Drive
Glen Carbon, IL 62304

Re: Sauget Sites Area I January 21, 1999 Administrative Order by Consent
• Residential Soil Sampling Results

Dear Mr. Webb,

Pursuant to the January 21, 1999 Administrative Order by Consent for Sauget Sites Area I, Solutia was required to sample surface soils (0-0.5 ft. below ground surface) and subsurface soils (0.5-6 ft. below ground surface) at 20 residences in Cahokia and along Dead Creek. All samples were analyzed for the following compounds: Volatile and semi-volatile organics; metals; mercury; cyanide; PCBs; pesticides; herbicides and dioxins (all surface soils & 20% subsurface). As a requirement of the access agreement between Solutia and each of the 20 property owners, Solutia is required to communicate the final sampling results to each owner. These results are enclosed on a property specific basis for the 20 locations.

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enclosed). During visits with each resident, the results will be reviewed and we will address whatever questions they may have at that time. In addition, as you will note in the letter, in your capacity of technical advisor to the Village of Cahokia, your name and phone number has been given as a possible contact to address additional questions or concerns the individuals may have at a later date.

Sincerely,



D. M. Light
Manager, Remedial Projects
Solutia Inc.

Enclosures (5)

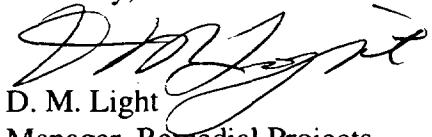
1. Property addresses
2. Property specific soil sample results
3. Background sample results
4. Letter to residents (sample)
5. USEPA Fact Sheet "Dead Creek Cleanup Update"

cc: (w/enclosures)

Mike McAteer - USEPA
Mayor Mike King, Cahokia

letters to each resident which include results of samples for their property (sample letter enclosed). During visits with each resident, the results will be reviewed and we will address whatever questions they may have at that time. In addition, as you will note in the letter, as a representative of the Illinois Department of Public Health, your name and phone number has been given as a possible contact to address additional questions or concerns the individuals may have at a later date.

Sincerely,



D. M. Light
Manager, Remedial Projects
Solutia Inc.

Enclosures (5)

1. Property addresses
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4. Letter to residents (sample)
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cc: (w/enclosures)

Mike McAteer - USEPA
Mayor Mike King - Cahokia
Mayor Paul Sauget - Sauget

Attachment I

Residential Soil Sampling

Sauget Area I

Property Addresses

Address List

**Residential Soil Sampling
Sauget Area 1**

| Owner's Name | Address | City | State | Zip | Property Sampled | ID | Sample Date |
|---|------------------------------|---------------|--------------|------------|-------------------------|-----------|--------------------|
| LAUMAN, ALBERT (Tenant: Cindy Towler) | 2123 NW 118 TERRACE | OKLAHOMA CITY | OK | 73120 | 105 JUDITH LANE | T1-S1 | 4/18/00 |
| WRIGHT, ROBERT | 100 JUDITH LANE | CAHOKIA | IL | 62206 | 100 JUDITH LANE | T1-S2 | 4/18/00 |
| LEWIS, LARRY W. | 113 JUDITH LANE | CAHOKIA | IL | 62206 | 113 JUDITH LANE | T1-S3 | 4/18/00 |
| WILKENSON, LLOYD L | 103 WALNUT ST | CAHOKIA | IL | 62206 | 103 WALNUT ST | T2-S1 | 4/18/00 |
| CARTER, ALAN | 107 WALNUT ST | CAHOKIA | IL | 62206 | 107 WALNUT ST | T2-S2 | 4/18/00 |
| VANDEVER, DEBORAH L. | 109 WALNUT ST | CAHOKIA | IL | 62206 | 109 WALNUT ST | T2-S3 | 4/18/00 |
| SHEPARD, LOUIS & PAULYNE | 3325 BARBER ST | CAHOKIA | IL | 62206 | 3325 BARBER ST | T3-S1 | 4/19/00 |
| SCHMIDT, LELA | 61 DAVID ST | CAHOKIA | IL | 62206 | 61 DAVID ST | T3-S2 | 4/19/00 |
| CROSSIN, DANNY R & BECKY A | 19 DAVID ST | CAHOKIA | IL | 62206 | 19 DAVID ST | T3-S3 | 4/19/00 |
| PRICE, LARRY & SHARON | 109 EDWARD ST | CAHOKIA | IL | 62206 | 109 EDWARD ST | T4-S1 | 4/19/00 |
| NELSON, PEGGY M. | 117 EDWARD | CAHOKIA | IL | 62206 | 117 EDWARD ST | T4-S2 | 4/20/00 |
| BLASDEL, BILL W & IRENE | 125 EDWARD | CAHOKIA | IL | 62206 | 125 EDWARD ST | T4-S3 | 4/20/00 |
| OESTRICKER, RONALD F & DEBORAH | 3415 BARBER ST | CAHOKIA | IL | 62206 | 3415 BARBER ST | T5-S1 | 4/19/00 |
| BEASLEY, WOODROW & MAXINE | 3420 BARBER ST | CAHOKIA | IL | 62206 | 3420 BARBER ST | T5-S2 | 4/19/00 |
| GODDARD, CYNDI | 12 SCHOOL ST | CAHOKIA | IL | 62206 | 12 SCHOOL ST | T5-S3 | 4/19/00 |
| THOMAS, BILLY E & TERRY C | 32 KINDER ST | CAHOKIA | IL | 62206 | 100 KINDER ST | T6-S1 | 4/20/00 |
| DALLAS, SUE | 1312 JULIE ST | CAHOKIA | IL | 62206 | 105 JEROME LN | T6-S2 | 4/20/00 |
| CROCKETT, MICHAEL P. & LINDA | #3 LITTLE ESTATES | CAHOKIA | IL | 62206 | 100 JEROME LN | T6-S3 | 4/20/00 |
| ILLINOIS QUAIL RUN L.L.C. (John Dickins, Mgr. Member) - Land Owner | 17877 WILDNERESS CLIFF CT | CHESTERFIELD | MO | 63005 | Pheasant Run Community | | |
| KEITH, MAE (mobile home owner) | 86 CIRCLE CREEK DR | CAHOKIA | IL | 62206 | 86 CIRCLE CREEK DR | T7-S1 | 4/20/00 |
| HARRIS, JERRY (mobile home owner) | 18 CIRCLE CREEK DR | CAHOKIA | IL | 62206 | 18 CIRCLE CREEK DR | T7-S2 | 4/20/00 |

Attachment II

Residential Soil Sampling

Sauget Area I

Property Specific Soil Sample Results



O'BRIEN & GERE
ENGINEERS, INC.

Solutia

Sauget Area 1

DAS-T1-S1 - 105 Judith Lane

Method 8260B Volatile Organic Compound Data

| | Sample ID | DAS-T1-S1-0-0.5FT | DAS-T1-S1-0-0.5FTFD | DAS-T1-S1-3-6FT |
|--------------------------------------|-------------|-------------------|---------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | |
| 1,1,1-Trichloroethane | 5.5 U | 5.4 U | 6.0 U | |
| 1,1,2,2-Tetrachloroethane | 5.5 U | 5.4 U | 6.0 U | |
| 1,1,2-Trichloroethane | 5.5 U | 5.4 U | 6.0 U | |
| 1,1-Dichloroethane | 5.5 U | 5.4 U | 6.0 U | |
| 1,1-Dichloroethene | 5.0 U | 4.9 U | 5.6 U | |
| 1,2-Dichloroethane | 5.5 U | 5.4 U | 6.0 U | |
| 1,2-Dichloropropane | 5.5 U | 5.4 U | 6.0 U | |
| 2-Butanone (MEK) | 19 J | 27 U | 30 U | |
| 2-Hexanone | 27 U | 27 U | 30 U | |
| 4-Methyl-2-pentanone (MIBK) | 27 U | 27 U | 30 U | |
| Acetone | 240 | 54 U | 60 U | |
| Benzene | 5.5 U | 5.4 U | 6.0 U | |
| Bromodichloromethane | 5.5 U | 5.4 U | 6.0 U | |
| Bromoform | 5.5 U | 5.4 U | 6.0 U | |
| Bromomethane | 11 U | 11 U | 12 U | |
| Carbon disulfide | 5.5 U | 5.4 U | 6.0 U | |
| Carbon tetrachloride | 5.5 U | 5.4 U | 6.0 U | |
| Chlorobenzene | 5.5 U | 5.4 U | 6.0 U | |
| Chloroethane | 11 U | 11 U | 12 U | |
| Chloroform | 5.5 U | 5.4 U | 6.0 U | |
| Chloromethane | 11 U | 11 U | 12 U | |
| Cis/Trans-1,2-Dichloroethene | 5.5 U | 5.4 U | 6.0 U | |
| Dibromochloromethane | 5.5 U | 5.4 U | 6.0 U | |
| Ethylbenzene | 5.5 U | 5.4 U | 6.0 U | |
| Methylene chloride (Dichloromethane) | 2.1 J | 5.4 U | 6.0 U | |
| Styrene | 5.5 U | 5.4 U | 6.0 U | |
| Tetrachloroethene | 5.5 U | 5.4 U | 6.0 U | |
| Toluene | 5.5 U | 5.4 U | 6.0 U | |
| Trichloroethene | 5.5 U | 5.4 U | 6.0 U | |
| Vinyl chloride | 11 U | 11 U | 12 U | |
| Xylenes, Total | 5.5 U | 5.4 U | 6.0 U | |
| cis-1,3-Dichloropropene | 4.4 U | 4.3 U | 4.8 U | |
| trans-1,3-Dichloropropene | 4.4 U | 4.3 U | 4.8 U | |
| Total VOCs | 261.1 | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T1-S1 - 105 Judith Lane
Method 8270C Semivolatile Organic Compound Data**

| Compound | Sample ID | DAS-T1-S1-0-0.5FT | DAS-T1-S1-0-0.5FTFD | DAS-T1-S1-3-6FT |
|-------------------------------|-------------|-------------------|---------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw |
| 1,2,4-Trichlorobenzene | 190 U | 190 U | 200 U | |
| 1,2-Dichlorobenzene | 190 U | 190 U | 200 U | |
| 1,3-Dichlorobenzene | 190 U | 190 U | 200 U | |
| 1,4-Dichlorobenzene | 190 U | 190 U | 200 U | |
| 2,2'-Oxybis(1-Chloropropane) | 190 U | 190 U | 200 U | |
| 2,4,5-Trichlorophenol | 190 U | 190 U | 200 U | |
| 2,4,6-Trichlorophenol | 190 U | 190 U | 200 U | |
| 2,4-Dichlorophenol | 190 U | 190 U | 200 U | |
| 2,4-Dinitrophenol | 960 U | 960 U | 990 U | |
| 2,4-Dinitrotoluene | 190 U | 190 U | 200 U | |
| 2,6-Dinitrotoluene | 190 U | 190 U | 200 U | |
| 2-Chloronaphthalene | 190 U | 190 U | 200 U | |
| 2-Chlorophenol | 190 U | 190 U | 200 U | |
| 2-Methylnaphthalene | 190 U | 190 U | 200 U | |
| 2-Methylphenol (o-cresol) | 190 U | 190 U | 200 U | |
| 2-Nitroaniline | 960 U | 960 U | 990 U | |
| 2-Nitrophenol | 190 U | 190 U | 200 U | |
| 3,3'-Dichlorobenzidine | 380 U | 380 U | 380 U | |
| 3-Methylphenol/4-Methylphenol | 190 U | 190 U | 200 U | |
| 3-Nitroaniline | 960 U | 960 U | 990 U | |
| 4,6-Dinitro-2-methylphenol | 960 U | 960 U | 990 U | |
| 4-Bromophenylphenyl ether | 190 U | 190 U | 200 U | |
| 4-Chloro-3-methylphenol | 190 U | 190 U | 200 U | |
| 4-Chloroaniline | 380 U | 380 U | 380 U | |
| 4-Chlorophenylphenyl ether | 190 U | 190 U | 200 U | |
| 4-Nitroaniline | 960 U | 960 U | 990 U | |
| 4-Nitrophenol | 960 U | 960 U | 990 U | |
| Acenaphthene | 190 U | 190 U | 200 U | |
| Acenaphthylene | 190 U | 190 U | 200 U | |
| Anthracene | 190 U | 190 U | 200 U | |
| Benzo(a)anthracene | 190 U | 190 U | 200 U | |
| Benzo(a)pyrene | 100 U | 100 U | 100 U | |
| Benzo(b)fluoranthene | 190 U | 190 U | 200 U | |
| Benzo(g,h,i)perylene | 190 U | 190 U | 200 U | |
| Benzo(k)fluoranthene | 190 U | 190 U | 200 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T1-S1 - 105 Judith Lane
Method 8270C Semivolatile Organic Compound Data

| | Sample ID | DAS-T1-S1-0-0 SFT | DAS-T1-S1-0-0 SFTFD | DAS-T1-S1-3-6FT |
|----------------------------|-------------|-------------------|---------------------|-----------------|
| Compound | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw |
| Butylbenzylphthalate | 190 U | 190 U | 200 U | |
| Carbazole | 190 U | 190 U | 200 U | |
| Chrysene | 190 U | 190 U | 200 U | |
| Di-n-butylphthalate | 190 U | 190 U | 200 U | |
| Di-n-octylphthalate | 190 U | 190 U | 200 U | |
| Dibenz(a,h)anthracene | 100 U | 100 U | 100 U | |
| Dibenzofuran | 190 U | 190 U | 200 U | |
| Diethylphthalate | 190 U | 190 U | 200 U | |
| Dimethylphthalate | 190 U | 190 U | 200 U | |
| Fluoranthene | 190 U | 190 U | 200 U | |
| Fluorene | 190 U | 190 U | 200 U | |
| Hexachlorobenzene | 80 U | 80 U | 81 U | |
| Hexachlorobutadiene | 190 U | 190 U | 200 U | |
| Hexachlorocyclopentadiene | 190 U | 190 U | 200 U | |
| Hexachloroethane | 190 U | 190 U | 200 U | |
| Indeno(1,2,3-cd)pyrene | 190 U | 190 U | 200 U | |
| Isophorone | 190 U | 190 U | 200 U | |
| N-Nitroso-di-n-propylamine | 190 U | 190 U | 200 U | |
| N-Nitrosodiphenylamine | 190 U | 190 U | 200 U | |
| Naphthalene | 190 U | 190 U | 200 U | |
| Nitrobenzene | 190 U | 190 U | 200 U | |
| Pentachlorophenol | 960 U | 960 U | 990 U | |
| Phenanthrene | 190 U | 190 U | 200 U | |
| Phenol | 190 U | 190 U | 200 U | |
| Pyrene | 190 U | 190 U | 200 U | |
| bis(2-Chloroethoxy)methane | 190 U | 190 U | 200 U | |
| bis(2-Chloroethyl)ether | 190 U | 190 U | 200 U | |
| bis(2-Ethylhexyl)phthalate | 190 U | 190 U | 200 U | |
| Total Semivolatiles | ND | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
DAS-T1-S1 - 105 Judith Lane
Method 680 Polychlorinated Biphenyl Data**

| | Sample ID | DAS-T1-S1-0-0 SFT | DAS-T1-S1-0-0.5FTFD | DAS-T1-S1-3-6FT |
|---------------------|-------------|-------------------|---------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | |
| Decachlorobiphenyl | 69 | 75 | 19 U | |
| Dichlorobiphenyl | 3.8 U | 3.8 U | 3.8 U | |
| Heptachlorobiphenyl | 11 U | 11 U | 12 U | |
| Hexachlorobiphenyl | 7.6 U | 7.6 U | 7.8 U | |
| Monochlorobiphenyl | 3.8 U | 3.8 U | 3.8 U | |
| Nonachlorobiphenyl | 19 U | 19 U | 19 U | |
| Octachlorobiphenyl | 11 U | 11 U | 12 U | |
| Pentachlorobiphenyl | 7.6 U | 7.6 U | 7.8 U | |
| Tetrachlorobiphenyl | 7.6 U | 7.6 U | 7.8 U | |
| Trichlorobiphenyl | 3.8 U | 3.8 U | 3.8 U | |
| Total PCBs | 69 | 75 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T1-S1 - 105 Judith Lane
Method 8081A Pesticide Data

| Compound | Sample ID | DAS-T1-S1-0-0.5FT | DAS-T1-S1-0-0.5FTFD | DAS-T1-S1-3-6FT |
|---------------------|-------------|-------------------|---------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw |
| 4,4'-DDD | 3.8 U | 3.8 U | 3.8 U | |
| 4,4'-DDE | 0.80 J | 0.33 J | 3.8 U | |
| 4,4'-DDT | 3.8 U | 3.8 U | 3.8 U | |
| Aldrin | 1.9 U | 1.9 U | 2.0 U | |
| Alpha Chlordane | 1.9 U | 1.9 U | 2.0 U | |
| Dieldrin | 3.8 U | 3.8 U | 3.8 U | |
| Endosulfan I | 1.9 U | 1.9 U | 2.0 U | |
| Endosulfan II | 3.8 U | 3.8 U | 3.8 U | |
| Endosulfan sulfate | 3.8 U | 3.8 U | 3.8 U | |
| Endrin | 3.8 U | 3.8 U | 3.8 U | |
| Endrin aldehyde | 3.8 U | 3.8 U | 3.8 U | |
| Endrin ketone | 3.8 U | 3.8 U | 3.8 U | |
| Gamma Chlordane | 1.9 U | 1.9 U | 2.0 U | |
| Heptachlor | 1.9 U | 1.9 U | 2.0 U | |
| Heptachlor epoxide | 1.9 U | 1.9 U | 2.0 U | |
| Methoxychlor | 19 U | 19 U | 20 U | |
| Toxaphene | 190 U | 190 U | 200 U | |
| alpha-BHC | 0.57 U | 0.57 U | 0.58 U | |
| beta-BHC | 0.57 U | 0.57 U | 0.58 U | |
| delta-BHC | 0.57 U | 0.57 U | 0.58 U | |
| gamma-BHC (Lindane) | 1.9 U | 1.9 U | 2.0 U | |
| Total Pesticides | 0.8 M | 0.33 M | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
DAS-T1-S1 - 105 Judith Lane
Method 8151A Herbicide Data**

| | Sample ID | DAS-T1-S1-0-0.5FT | DAS-T1-S1-0-0.5FTFD | DAS-T1-S1-3-6FT |
|-------------------|-------------|-------------------|---------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | |
| 2,4,5-T | 9.4 U | 9.4 U | 9.6 U | |
| 2,4,5-TP (Silvex) | 9.4 U | 9.4 U | 9.6 U | |
| 2,4-D | 4.1 J | 3.1 J | 9.6 U | |
| 2,4-DB | 9.4 U | 9.4 U | 9.6 U | |
| Dalapon | 74 U | 74 U | 75 U | |
| Dicamba | 23 U | 1.2 J | 23 U | |
| Dichlorprop | 110 U | 110 U | 120 U | |
| Dinoseb | 110 U | 110 U | 120 U | |
| MCPA | 2300 U | 2300 U | 2300 U | |
| MCPP | 2300 U | 2300 U | 2300 U | |
| Pentachlorophenol | 3.8 J | 3.1 J | 20 U | |
| Total Herbicides | 7.9 | 7.4 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T1-S1 - 105 Judith Lane
Method 6010B/7471A/9010B Metals Data

| | Sample ID | DAS-T1-S1-0-0.5FT | DAS-T1-S1-0-0.5FTFD | DAS-T1-S1-3-6FT |
|-----------------|-------------|-------------------|---------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | mg/kg dw | mg/kg dw | mg/kg dw |
| Compound | | | | |
| Aluminum | 5800 | 5800 | 3500 | |
| Antimony | R | 2.3 UJ | 2.1 UJ | |
| Arsenic | 7.6 | 8.0 | 3.8 | |
| Barium | 160 | 160 | 120 J | |
| Beryllium | 0.47 | 0.45 J | 0.24 J | |
| Cadmium | 3.5 J | 2.5 J | 0.16 J | |
| Calcium | 7800 J | 7800 J | 8700 | |
| Chromium | 11 | 11 | 6.5 | |
| Cobalt | 5.9 | 5.7 | 4.1 | |
| Copper | 110 J | 85 J | 5.4 | |
| Cyanide, Total | 0.57 U | 0.57 U | 0.58 U | |
| Iron | 13000 J | 13000 J | 8300 | |
| Lead | 110 J | 81 J | 5.5 | |
| Magnesium | 5000 | 5100 | 4100 J | |
| Manganese | 320 | 290 | 240 | |
| Mercury | 0.093 J | 0.071 J | 0.0088 UJ | |
| Molybdenum | 0.45 J | 0.38 J | 0.27 J | |
| Nickel | 18 | 17 | 11 | |
| Potassium | 1600 | 1600 | 750 | |
| Selenium | 1.1 U | 1.1 U | 1.1 U | |
| Silver | 0.62 J | 0.37 J | 1.1 U | |
| Sodium | 130 U | 140 U | 110 U | |
| Thallium | 0.79 J | 1.1 U | 1.1 U | |
| Vanadium | 19 | 19 | 12 J | |
| Zinc | 350 J | 240 J | 25 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T1-S1 - 105 Judith Lane
Method 8280A PCDD/PCDF Data**

| Sample ID | DAS-T1-S1-0-0.5FT | DAS-T1-S1-0-0.5FTFD |
|------------------------------|-------------------|---------------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg | ug/kg |
| Compound | | |
| 1,2,3,4,6,7,8,9-OCDD | 14.7 J | 7.8 J |
| 1,2,3,4,6,7,8,9-OCDF | 1.4 J | 0.81 J |
| 1,2,3,4,6,7,8-HxCDD | 1.2 | 0.61 |
| 1,2,3,4,6,7,8-HxCDF | 0.35 | 0.21 |
| 1,2,3,4,7,8-HxCDF | 0.04 U | 0.03 U |
| 1,2,3,4,7,8-HxCDD | 0.04 U | 0.03 U |
| 1,2,3,4,7,8-HxCDF | 0.03 UJ | 0.02 UJ |
| 1,2,3,6,7,8-HxCDD | 0.06 U | 0.05 U |
| 1,2,3,6,7,8-HxCDF | 0.03 U | 0.02 U |
| 1,2,3,7,8,9-HxCDD | 0.08 U | 0.06 U |
| 1,2,3,7,8,9-HxCDF | 0.03 U | 0.02 U |
| 1,2,3,7,8-PeCDD | 0.1 U | 0.1 U |
| 1,2,3,7,8-PeCDF | 0.05 U | 0.04 U |
| 2,3,4,6,7,8-HxCDF | 0.03 U | 0.02 U |
| 2,3,4,7,8-PeCDF | 0.06 U | 0.05 U |
| 2,3,7,8-TCDD | 0.07 U | 0.05 U |
| 2,3,7,8-TCDF | 0.04 U | 0.04 U |
| 1998 Total TEQ w/ EMPC as ND | 0.02911 | 0.018061 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate



**Solutia
Sauget Area 1
DAS-T1-S2 - 100 Judith Lane
Method 8260B Volatile Organic Compound Data**

| | Sample ID | DAS-T1-S2-0-0.5FT | DAS-T1-S2-3-6FT |
|--------------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,1,1-Trichloroethane | 5.7 U | 6.0 U | |
| 1,1,2,2-Tetrachloroethane | 5.7 U | 6.0 U | |
| 1,1,2-Trichloroethane | 5.7 U | 6.0 U | |
| 1,1-Dichloroethane | 5.7 U | 6.0 U | |
| 1,1-Dichloroethene | 5.2 U | 5.5 U | |
| 1,2-Dichloroethane | 5.7 U | 6.0 U | |
| 1,2-Dichloropropane | 5.7 U | 6.0 U | |
| 2-Butanone (MEK) | 32 U | 30 U | |
| 2-Hexanone | 28 U | 30 U | |
| 4-Methyl-2-pentanone (MIBK) | 28 U | 30 U | |
| Acetone | 390 | 60 U | |
| Benzene | 5.7 U | 6.0 U | |
| Bromodichloromethane | 5.7 U | 6.0 U | |
| Bromoform | 5.7 U | 6.0 U | |
| Bromomethane | 11 U | 12 U | |
| Carbon disulfide | 2.6 J | 6.0 U | |
| Carbon tetrachloride | 5.7 U | 6.0 U | |
| Chlorobenzene | 5.7 U | 6.0 U | |
| Chloroethane | 11 U | 12 U | |
| Chloroform | 5.7 U | 6.0 U | |
| Chloromethane | 11 U | 12 U | |
| Cis/Trans-1,2-Dichloroethene | 5.7 U | 6.0 U | |
| Dibromochloromethane | 5.7 U | 6.0 U | |
| Ethylbenzene | 5.7 U | 6.0 U | |
| Methylene chloride (Dichloromethane) | 5.7 U | 6.0 U | |
| Styrene | 5.7 U | 6.0 U | |
| Tetrachloroethene | 5.7 U | 6.0 U | |
| Toluene | 2.3 J | 6.0 U | |
| Trichloroethene | 5.7 U | 6.0 U | |
| Vinyl chloride | 11 U | 12 U | |
| Xylenes, Total | 5.7 U | 6.0 U | |
| cis-1,3-Dichloropropene | 4.5 U | 4.8 U | |
| trans-1,3-Dichloropropene | 4.5 U | 4.8 U | |
| Total VOCs | 426.9 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T1-S2 - 100 Judith Lane
Method 8270C Semivolatile Organic Compound Data

| Compound | Sample ID DAS-T1-S2-0-5FT | DAS-T1-S2-3-6FT |
|-------------------------------|------------------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| 1,2,4-Trichlorobenzene | 190 U | 200 U |
| 1,2-Dichlorobenzene | 190 U | 200 U |
| 1,3-Dichlorobenzene | 190 U | 200 U |
| 1,4-Dichlorobenzene | 190 U | 200 U |
| 2,2'-Oxybis(1-Chloropropane) | 190 U | 200 U |
| 2,4,5-Trichlorophenoal | 190 U | 200 U |
| 2,4,6-Trichlorophenol | 190 U | 200 U |
| 2,4-Dichlorophenol | 190 U | 200 U |
| 2,4-Dinitrophenol | 960 U | 980 U |
| 2,4-Dinitrotoluene | 190 U | 200 U |
| 2,6-Dinitrotoluene | 190 U | 200 U |
| 2-Chloronaphthalene | 190 U | 200 U |
| 2-Chlorophenol | 190 U | 200 U |
| 2-Methylnaphthalene | 190 U | 200 U |
| 2-Methylphenol (o-cresol) | 190 U | 200 U |
| 2-Nitroaniline | 960 U | 980 U |
| 2-Nitrophenol | 190 U | 200 U |
| 3,3'-Dichlorobenzidine | 380 U | 380 U |
| 3-Methylphenol/4-Methylphenol | 190 U | 200 U |
| 3-Nitroaniline | 960 U | 980 U |
| 4,6-Dinitro-2-methylphenol | 960 U | 980 U |
| 4-Bromophenylphenyl ether | 190 U | 200 U |
| 4-Chloro-3-methylphenol | 190 U | 200 U |
| 4-Chloroaniline | 380 U | 380 U |
| 4-Chlorophenylphenyl ether | 190 U | 200 U |
| 4-Nitroaniline | 960 U | 980 U |
| 4-Nitrophenol | 960 U | 980 U |
| Acenaphthene | 190 U | 200 U |
| Acenaphthylene | 190 U | 200 U |
| Anthracene | 190 U | 200 U |
| Benzo(a)anthracene | 190 U | 200 U |
| Benzo(a)pyrene | 100 U | 100 U |
| Benzo(b)fluoranthene | 190 U | 200 U |
| Benzo(g,h,i)perylene | 190 U | 200 U |
| Benzo(k)fluoranthene | 190 U | 200 U |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
DAS-T1-S2 - 100 Judith Lane
Method 8270C Semivolatile Organic Compound Data**

| Sample ID | DAS-T1-S2-0-0 SFT | DAS-T1-S2-3-6FT |
|----------------------------|-------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Butylbenzylphthalate | 190 U | 200 U |
| Carbazole | 190 U | 200 U |
| Chrysene | 190 U | 200 U |
| Di-n-butylphthalate | 190 U | 200 U |
| Di-n-octylphthalate | 190 U | 200 U |
| Dibenzo(a,h)anthracene | 100 U | 100 U |
| Dibenzofuran | 190 U | 200 U |
| Diethylphthalate | 190 U | 200 U |
| Dimethylphthalate | 190 U | 200 U |
| Fluoranthene | 190 U | 200 U |
| Fluorene | 190 U | 200 U |
| Hexachlorobenzene | 80 U | 80 U |
| Hexachlorobutadiene | 190 U | 200 U |
| Hexachlorocyclopentadiene | 190 U | 200 U |
| Hexachloroethane | 190 U | 200 U |
| Indeno(1,2,3-cd)pyrene | 190 U | 200 U |
| Isophorone | 190 U | 200 U |
| N-Nitroso-di-n-propylamine | 190 U | 200 U |
| N-Nitrosodiphenylamine | 190 U | 200 U |
| Naphthalene | 190 U | 200 U |
| Nitrobenzene | 190 U | 200 U |
| Pentachlorophenol | 960 U | 980 U |
| Phenanthrene | 190 U | 200 U |
| Phenol | 190 U | 200 U |
| Pyrene | 190 U | 200 U |
| bis(2-Chloroethoxy)methane | 190 U | 200 U |
| bis(2-Chloroethyl)ether | 190 U | 200 U |
| bis(2-Ethylhexyl)phthalate | 190 U | 200 U |
| Total Semivolatiles | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T1-S2 - 100 Judith Lane
Method 680 Polychlorinated Biphenyl Data

| | Sample ID | DAS-T1-S2-0-0 SFT | DAS-T1-S2-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| Compound | Sample Date | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw |
| Decachlorobiphenyl | | 35 | 19 U |
| Dichlorobiphenyl | | 3.8 U | 3.8 U |
| Heptachlorobiphenyl | | 11 U | 11 U |
| Hexachlorobiphenyl | | 7.6 U | 7.7 U |
| Monochlorobiphenyl | | 3.8 U | 3.8 U |
| Nonachlorobiphenyl | | 19 U | 19 U |
| Octachlorobiphenyl | | 11 U | 11 U |
| Pentachlorobiphenyl | | 7.6 U | 7.7 U |
| Tetrachlorobiphenyl | | 7.6 U | 7.7 U |
| Trichlorobiphenyl | | 3.8 U | 3.8 U |
| Total PCBs | | 35 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T1-S2 - 100 Judith Lane
Method 8081A Pesticide Data

| | Sample ID | DAS-T1-S2-0-0.5FT | DAS-T1-S2-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 4,4'-DDD | 3.8 U | 0.53 J | |
| 4,4'-DDE | 0.40 J | 3.8 U | |
| 4,4'-DDT | 3.8 U | 3.8 U | |
| Aldrin | 1.9 U | 2.0 U | |
| Alpha Chlordane | 1.9 U | 2.0 U | |
| Dieldrin | 3.8 U | 1.2 J | |
| Endosulfan I | 1.9 U | 2.0 U | |
| Endosulfan II | 3.8 U | 3.8 U | |
| Endosulfan sulfate | 3.8 U | 3.8 U | |
| Endrin | 3.8 U | 3.8 U | |
| Endrin aldehyde | 3.8 U | 3.8 U | |
| Endrin ketone | 3.8 U | 3.8 U | |
| Gamma Chlordane | 1.9 U | 2.0 U | |
| Heptachlor | 1.9 U | 0.26 J | |
| Heptachlor epoxide | 1.9 U | 2.0 U | |
| Methoxychlor | 19 U | 20 U | |
| Toxaphene | 190 U | 200 U | |
| alpha-BHC | 0.57 U | 0.57 U | |
| beta-BHC | 0.57 U | 0.57 U | |
| delta-BHC | 0.57 U | 0.57 U | |
| gamma-BHC (Lindane) | 1.9 U | 2.0 U | |
| Total Pesticides | 0.4 | 1.99 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T1-S2 - 100 Judith Lane
Method 8151A Herbicide Data

| Sample ID | DAS-T1-S2-0-0 5FT | DAS-T1-S2-3-6FT |
|-------------------|-------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 2,4,5-T | 9.4 U | 9.5 U |
| 2,4,5-TP (Silvex) | 9.4 U | 9.5 U |
| 2,4-D | 9.4 U | 9.5 U |
| 2,4-DB | 9.4 U | 9.5 U |
| Dalapon | 73 U | 74 U |
| Dicamba | 22 U | 23 U |
| Dichloroprop | 110 U | 110 U |
| Dinoseb | 110 U | 110 U |
| MCPA | 2200 U | 2300 U |
| MCPP | 2200 U | 2300 U |
| Pentachlorophenol | 2.1 J | 19 U |
| Total Herbicides | 2.1 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T1-S2 - 100 Judith Lane
Method 6010B/7471A/9010B Metals Data

| | Sample ID | DAS-T1-S2-0-0.5FT | DAS-T1-S2-3-6FT |
|-----------------|-------------|-------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 |
| | Units | mg/kg dw | mg/kg dw |
| Compound | | | |
| Aluminum | 7800 | 5600 | |
| Antimony | 2.3 UJ | 1.9 UJ | |
| Arsenic | 7.5 | 5.1 | |
| Barium | 120 | 190 J | |
| Beryllium | 0.50 | 0.39 | |
| Cadmium | 1.9 J | 0.27 J | |
| Calcium | 6800 J | 16000 | |
| Chromium | 14 | 9.7 | |
| Cobalt | 7.8 | 5.3 | |
| Copper | 85 J | 11 | |
| Cyanide, Total | 0.57 U | 0.57 U | |
| Iron | 15000 J | 11000 | |
| Lead | 50 J | 7.6 | |
| Magnesium | 4400 | 6100 J | |
| Manganese | 470 | 270 | |
| Mercury | 0.060 J | 0.02 UJ | |
| Molybdenum | 0.50 J | 0.47 J | |
| Nickel | 19 | 14 | |
| Potassium | 1400 | 1300 | |
| Selenium | 1.1 U | 0.96 U | |
| Silver | 0.34 J | 0.96 U | |
| Sodium | 100 U | 130 U | |
| Thallium | 0.98 J | 0.96 U | |
| Vanadium | 25 | 17 J | |
| Zinc | 230 J | 37 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T1-S2 - 100 Judith Lane
Method 8280A PCDD/PCDF Data

| | |
|--|-------------------|
| Sample ID | DAS-T1-S2-0-0.5FT |
| Sample Date | 04/18/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 5.6 J |
| 1,2,3,4,6,7,8,9-OCDF | 0.39 J |
| 1,2,3,4,6,7,8-HxCDD | 0.36 |
| 1,2,3,4,6,7,8-HxCDF | 0.12 |
| 1,2,3,4,7,8,9-HxCDF | 0.03 U |
| 1,2,3,4,7,8-HxCDD | 0.04 U |
| 1,2,3,4,7,8-HxCDF | 0.02 UJ |
| 1,2,3,6,7,8-HxCDD | 0.06 U |
| 1,2,3,6,7,8-HxCDF | 0.03 U |
| 1,2,3,7,8,9-HxCDD | 0.07 U |
| 1,2,3,7,8,9-HxCDF | 0.03 U |
| 1,2,3,7,8-PeCDD | 0.1 U |
| 1,2,3,7,8-PeCDF | 0.04 U |
| 2,3,4,6,7,8-HxCDF | 0.03 U |
| 2,3,4,7,8-PeCDF | 0.05 U |
| 2,3,7,8-TCDD | 0.06 U |
| 2,3,7,8-TCDF | 0.04 U |
| 1998 Total TEQ w/ EMPC as ND | 0.016399 |
| NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis. EB - Equipment Blank, FD - Field Duplicate | |



Solutia
Sauget Area 1
DAS-T1-S3 - 113 Judith Lane
Method 8260B Volatile Organic Compound Data

| Sample ID | DAS-T1-S3-0-0.5FT | DAS-T1-S3-3-6FT |
|--------------------------------------|-------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 1,1,1-Trichloroethane | 6.1 U | 5.8 U |
| 1,1,2,2-Tetrachloroethane | 6.1 U | 5.8 U |
| 1,1,2-Trichloroethane | 6.1 U | 5.8 U |
| 1,1-Dichloroethane | 6.1 U | 5.8 U |
| 1,1-Dichloroethene | 5.6 U | 5.4 U |
| 1,2-Dichloroethane | 6.1 U | 5.8 U |
| 1,2-Dichloropropane | 6.1 U | 5.8 U |
| 2-Butanone (MEK) | 30 U | 25 J |
| 2-Hexanone | 30 U | 29 U |
| 4-Methyl-2-pentanone (MIBK) | 30 U | 29 U |
| Acetone | 330 | 240 J |
| Benzene | 6.1 U | 5.8 U |
| Bromodichloromethane | 6.1 U | 5.8 U |
| Bromoform | 6.1 U | 5.8 U |
| Bromomethane | 12 U | 12 U |
| Carbon disulfide | 6.1 U | 5.8 U |
| Carbon tetrachloride | 6.1 U | 5.8 U |
| Chlorobenzene | 6.1 U | 5.8 U |
| Chloroethane | 12 U | 12 U |
| Chloroform | 6.1 U | 5.8 U |
| Chloromethane | 12 U | 12 U |
| Cis/Trans-1,2-Dichloroethene | 6.1 U | 5.8 U |
| Dibromochloromethane | 6.1 U | 5.8 U |
| Ethylbenzene | 6.1 U | 5.8 U |
| Methylene chloride (Dichloromethane) | 1.8 J | 5.8 U |
| Styrene | 6.1 U | 5.8 U |
| Tetrachloroethene | 6.1 U | 5.8 U |
| Toluene | 6.1 U | 5.8 U |
| Trichloroethene | 6.1 U | 5.8 U |
| Vinyl chloride | 12 U | 12 U |
| Xylenes, Total | 6.1 U | 5.8 U |
| cis-1,3-Dichloropropene | 4.8 U | 4.7 U |
| trans-1,3-Dichloropropene | 4.8 U | 4.7 U |
| Total VOCs | 331.8 | 265 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T1-S3 - 113 Judith Lane
Method 8270C Semivolatile Organic Compound Data

| Sample ID | DAS-T1-S3-0-0.5FT | DAS-T1-S3-3-6FT |
|-------------------------------|-------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 1,2,4-Trichlorobenzene | 200 U | 220 U |
| 1,2-Dichlorobenzene | 200 U | 220 U |
| 1,3-Dichlorobenzene | 200 U | 220 U |
| 1,4-Dichlorobenzene | 200 U | 220 U |
| 2,2'-Oxybis(1-Chloropropane) | 200 U | 220 U |
| 2,4,3-Trichlorophenol | 200 U | 220 U |
| 2,4,6-Trichlorophenol | 200 U | 220 U |
| 2,4-Dichlorophenol | 200 U | 220 U |
| 2,4-Dinitrophenol | 1000 U | 1100 U |
| 2,4-Dinitrotoluene | 200 U | 220 U |
| 2,6-Dinitrotoluene | 200 U | 220 U |
| 2-Chloronaphthalene | 200 U | 220 U |
| 2-Chlorophenol | 200 U | 220 U |
| 2-Methylnaphthalene | 200 U | 220 U |
| 2-Methylphenol (o-cresol) | 200 U | 220 U |
| 2-Nitroaniline | 1000 U | 1100 U |
| 2-Nitrophenol | 200 U | 220 U |
| 3,3'-Dichlorobenzidine | 350 U | 420 U |
| 3-Methylphenol/4-Methylphenol | 200 U | 220 U |
| 3-Nitroaniline | 1000 U | 1100 U |
| 4,6-Dinitro-2-methylphenol | 1000 U | 1100 U |
| 4-Bromophenylphenyl ether | 200 U | 220 U |
| 4-Chloro-3-methylphenol | 200 U | 220 U |
| 4-Chloroaniline | 350 U | 420 U |
| 4-Chlorophenylphenyl ether | 200 U | 220 U |
| 4-Nitroaniline | 1000 U | 1100 U |
| 4-Nitrophenol | 1000 U | 1100 U |
| Acenaphthene | 200 U | 220 U |
| Acenaphthylene | 200 U | 220 U |
| Anthracene | 200 U | 220 U |
| Benzo(a)anthracene | 200 U | 220 U |
| Benzo(a)pyrene | 110 U | 120 U |
| Benzo(b)fluoranthene | 200 U | 220 U |
| Benzo(g,h,i)perylene | 200 U | 220 U |
| Benzo(k)fluoranthene | 200 U | 220 U |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T1-S3 - 113 Judith Lane
Method 8270C Semivolatile Organic Compound Data

| Sample ID | DAS-T1-S3-0-0 5FT | DAS-T1-S3-3-6FT |
|----------------------------|-------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Butylbenzylphthalate | 200 U | 220 U |
| Carbazole | 200 U | 220 U |
| Chrysene | 200 U | 220 U |
| Di-n-butylphthalate | 200 U | 220 U |
| Di-n-octylphthalate | 200 U | 220 U |
| Dibenzo(a,h)anthracene | 110 U | 120 U |
| Dibenzofuran | 200 U | 220 U |
| Diethylphthalate | 200 U | 220 U |
| Dimethylphthalate | 200 U | 220 U |
| Fluoranthene | 200 U | 220 U |
| Fluorene | 200 U | 220 U |
| Hexachlorobenzene | 83 U | 90 U |
| Hexachlorobutadiene | 200 U | 220 U |
| Hexachlorocyclopentadiene | 200 U | 220 U |
| Hexachloroethane | 200 U | 220 U |
| Indeno(1,2,3-cd)pyrene | 200 U | 220 U |
| Isophorone | 200 U | 220 U |
| N-Nitroso-di-n-propylamine | 200 U | 220 U |
| N-Nitrosodiphenylamine | 200 U | 220 U |
| Naphthalene | 200 U | 220 U |
| Nitrobenzene | 200 U | 220 U |
| Pentachlorophenol | 1000 U | 1100 U |
| Phenanthrene | 200 U | 220 U |
| Phenol | 200 U | 220 U |
| Pyrene | 200 U | 220 U |
| bis(2-Chloroethoxy)methane | 200 U | 220 U |
| bis(2-Chloroethyl)ether | 200 U | 220 U |
| bis(2-Ethylhexyl)phthalate | 160 J | 220 U |
| Total Semivolatiles | 160 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample

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Solutia
Saugat Area 1
DAS-T1-S3 - 113 Judith Lane
Method 680 Polychlorinated Biphenyl Data

| | Sample ID | DAS-T1-S3-0-0.5FT | DAS-T1-S3-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| Compound | Sample Date | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw |
| Decachlorobiphenyl | 28 | 21 U | |
| Dichlorobiphenyl | 3.9 U | 4.2 U | |
| Heptachlorobiphenyl | 12 U | 13 U | |
| Hexachlorobiphenyl | 8.0 U | 8.6 U | |
| Monochlorobiphenyl | 3.9 U | 4.2 U | |
| Nonachlorobiphenyl | 20 U | 21 U | |
| Octachlorobiphenyl | 12 U | 13 U | |
| Pentachlorobiphenyl | 8.0 U | 8.6 U | |
| Tetrachlorobiphenyl | 8.0 U | 8.6 U | |
| Trichlorobiphenyl | 3.9 U | 4.2 U | |
| Total PCBs | 28 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T1-S3 - 113 Judith Lane
Method 8081A Pesticide Data

| | Sample ID | DAS-T1-S3-0-0.5FT | DAS-T1-S3-3-6FT |
|-------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 4,4'-DDD | 3.9 U | 4.2 U | |
| 4,4'-DDE | 3.9 U | 4.2 U | |
| 4,4'-DDT | 3.9 U | 4.2 U | |
| Aldrin | 2.0 U | 2.2 U | |
| Alpha Chlordane | 2.0 U | 2.2 U | |
| Dieldrin | 1.5 J | 4.2 UJ | |
| Endosulfan I | 2.0 U | 2.2 U | |
| Endosulfan II | 3.9 U | 4.2 U | |
| Endosulfan sulfate | 3.9 U | 4.2 U | |
| Endrin | 3.9 U | 4.2 U | |
| Endrin aldehyde | 3.9 U | 4.2 U | |
| Endrin ketone | 3.9 U | 4.2 U | |
| Gamma Chlordane | 2.0 U | 2.2 U | |
| Heptachlor | 2.0 U | 2.2 U | |
| Heptachlor epoxide | 2.0 U | 2.2 U | |
| Methoxychlor | 20 U | 22 U | |
| Toxaphene | 200 U | 220 U | |
| alpha-BHC | 0.60 U | 0.64 U | |
| beta-BHC | 0.60 U | 0.64 U | |
| delta-BHC | 0.60 U | 0.64 U | |
| gamma-BHC (Lindane) | 2.0 U | 2.2 U | |
| Total Pesticides | 1.5 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T1-S3 - 113 Judith Lane
Method 8151A Herbicide Data

| Sample ID | DAS-T1-S3-0-0.5FT | DAS-T1-S3-3-6FT |
|-------------------------|-------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 2,4,5-T | 9.8 U | 10 U |
| 2,4,5-TP (Silvex) | 9.8 U | 10 U |
| 2,4-D | 9.8 U | 10 U |
| 2,4-DB | 9.8 U | 10 U |
| Dalapon | 77 U | 83 U |
| Dicamba | 1.7 J | 1.3 J |
| Dichloroprop | 120 U | 130 U |
| Dinoseb | 120 U | 130 U |
| MCPA | 2400 U | 1700 J |
| MCPP | 2400 U | 2500 U |
| Pentachlorophenol | 20 U | 22 U |
| Total Herbicides | 1.7 | 1701.3 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Saugat Area 1
DAS-T1-S3 - 113 Judith Lane
Method 6010B/7471A/9010B Metals Data**

| | Sample ID | DAS-T1-S3-0-0.5FT | DAS-T1-S3-3-6FT |
|-----------------|-------------|-------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 |
| | Units | mg/kg dw | mg/kg dw |
| Compound | | | |
| Aluminum | 6000 | 5800 | |
| Antimony | 2.2 UJ | 2.3 UJ | |
| Arsenic | 8.7 | 5.9 | |
| Barium | 130 | 140 J | |
| Beryllium | 0.47 | 0.40 J | |
| Cadmium | 1.7 J | 0.31 J | |
| Calcium | 5100 J | 6200 | |
| Chromium | 12 | 9.9 | |
| Cobalt | 5.9 | 5.7 | |
| Copper | 73 J | 13 | |
| Cyanide, Total | 0.60 U | 0.64 U | |
| Iron | 12000 J | 12000 | |
| Lead | 50 J | 11 | |
| Magnesium | 3200 | 4400 J | |
| Manganese | 320 | 350 | |
| Mercury | 0.054 J | 0.024 UJ | |
| Molybdenum | 0.50 J | 0.41 J | |
| Nickel | 16 | 15 | |
| Potassium | 1300 | 1100 | |
| Selenium | 3.1 U | 12 U | |
| Silver | 0.28 J | 1.2 U | |
| Sodium | 130 U | 140 U | |
| Thallium | 0.84 J | 1.2 U | |
| Vanadium | 18 | 18 J | |
| Zinc | 250 J | 50 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T2-S1 - 103 Walnut Street
Method 8260B Volatile Organic Compound Data

| Compound | Sample ID | DAS-T2-S1-0-0 5FT | DAS-T2-S1-3-6FT |
|--------------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw |
| 1,1,1-Trichloroethane | 5.8 U | 7.0 U | |
| 1,1,2,2-Tetrachloroethane | 5.8 U | 7.0 U | |
| 1,1,2-Trichloroethane | 5.8 U | 7.0 U | |
| 1,1-Dichloroethane | 5.8 U | 7.0 U | |
| 1,1-Dichloroethene | 5.4 U | 6.5 U | |
| 1,2-Dichloroethane | 5.8 U | 7.0 U | |
| 1,2-Dichloropropane | 5.8 U | 7.0 U | |
| 2-Butanone (MEK) | 28 J | 35 U | |
| 2-Hexanone | 29 U | 35 U | |
| 4-Methyl-2-pentanone (MIBK) | 29 U | 35 U | |
| Acetone | 270 | 26 J | |
| Benzene | 5.8 U | 7.0 U | |
| Bromodichloromethane | 5.8 U | 7.0 U | |
| Bromoform | 5.8 U | 7.0 U | |
| Bromomethane | 12 U | 14 U | |
| Carbon disulfide | 5.8 U | 7.0 U | |
| Carbon tetrachloride | 5.8 U | 7.0 U | |
| Chlorobenzene | 5.8 U | 7.0 U | |
| Chloroethane | 12 U | 14 U | |
| Chloroform | 5.8 U | 7.0 U | |
| Chloromethane | 12 U | 14 U | |
| Cis-Trans-1,2-Dichloroethene | 5.8 U | 7.0 U | |
| Dibromochloromethane | 5.8 U | 7.0 U | |
| Ethylbenzene | 5.8 U | 7.0 U | |
| Methylene chloride (Dichloromethane) | 5.8 U | 7.0 U | |
| Styrene | 5.8 U | 7.0 U | |
| Tetrachloroethene | 5.8 U | 7.0 U | |
| Toluene | 3.4 J | 7.0 U | |
| Trichloroethene | 5.8 U | 7.0 U | |
| Vinyl chloride | 12 U | 14 U | |
| Xylenes, Total | 5.8 U | 7.0 U | |
| cis-1,3-Dichloropropene | 4.7 U | 5.6 U | |
| trans-1,3-Dichloropropene | 4.7 U | 5.6 U | |
| Total VOCs | 3014 | 26 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T2-S1 - 103 Walnut Street
Method 8270C Semivolatile Organic Compound Data**

| Sample ID | DAS-T2-S1-0-0 5FT | DAS-T2-S1-3-6FT |
|-------------------------------|-------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 1,2,4-Trichlorobenzene | 200 U | 190 U |
| 1,2-Dichlorobenzene | 200 U | 190 U |
| 1,3-Dichlorobenzene | 200 U | 190 U |
| 1,4-Dichlorobenzene | 200 U | 190 U |
| 2,2'-Oxybis(1-Chloropropane) | 200 U | 190 U |
| 2,4,5-Trichlorophenol | 200 U | 190 U |
| 2,4,6-Trichlorophenol | 200 U | 190 U |
| 2,4-Dichlorophenol | 200 U | 190 U |
| 2,4-Dinitrophenol | 1000 U | 960 U |
| 2,4-Dinitrotoluene | 200 U | 190 U |
| 2,6-Dinitrotoluene | 200 U | 190 U |
| 2-Chloronaphthalene | 200 U | 190 U |
| 2-Chlorophenol | 200 U | 190 U |
| 2-Methylnaphthalene | 200 U | 190 U |
| 2-Methylphenol (o-cresol) | 200 U | 190 U |
| 2-Nitroaniline | 1000 U | 960 U |
| 2-Nitrophenol | 200 U | 190 U |
| 3,3'-Dichlorobenzidine | 390 U | 370 U |
| 3-Methylphenol/4-Methylphenol | 200 U | 190 U |
| 3-Nitroaniline | 1000 U | 960 U |
| 4,6-Dinitro-2-methylphenol | 1000 U | 960 U |
| 4-Bromophenylphenyl ether | 200 U | 190 U |
| 4-Chloro-3-methylphenol | 200 U | 190 U |
| 4-Chloroaniline | 390 U | 370 U |
| 4-Chlorophenylphenyl ether | 200 U | 190 U |
| 4-Nitroaniline | 1000 U | 960 U |
| 4-Nitrophenol | 1000 U | 960 U |
| Acenaphthene | 200 U | 190 U |
| Acenaphthylene | 200 U | 190 U |
| Anthracene | 200 U | 190 U |
| Benz(a)anthracene | 46 J | 190 U |
| Benz(a)pyrene | 56 J | 100 U |
| Benz(b)fluoranthene | 42 J | 190 U |
| Benz(g,h,i)perylene | 200 U | 190 U |
| Benz(k)fluoranthene | 63 J | 190 U |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T2-S1 - 103 Walnut Street
Method 8270C Semivolatile Organic Compound Data

| | Sample ID | DAS-T2-S1-0-0.5FT | DAS-T2-S1-3-6FT |
|----------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Butylbenzylphthalate | 200 U | 190 U | |
| Carbazole | 200 U | 190 U | |
| Chrysene | 69 J | 190 U | |
| Di-n-butylphthalate | 200 U | 190 U | |
| Di-n-octylphthalate | 200 U | 190 U | |
| Dibenzo(a,h)anthracene | 110 U | 100 U | |
| Dibenzofuran | 200 U | 190 U | |
| Diethylphthalate | 200 U | 190 U | |
| Dimethylphthalate | 200 U | 190 U | |
| Fluoranthene | 110 J | 190 U | |
| Fluorene | 200 U | 190 U | |
| Hexachlorobenzene | 83 U | 79 U | |
| Hexachlorobutadiene | 200 U | 190 U | |
| Hexachlorocyclopentadiene | 200 U | 190 U | |
| Hexachloroethane | 200 U | 190 U | |
| Indeno(1,2,3-cd)pyrene | 200 U | 190 U | |
| Isophorone | 200 U | 190 U | |
| N-Nitroso-di-n-propylamine | 200 U | 190 U | |
| N-Nitrosodiphenylamine | 200 U | 190 U | |
| Naphthalene | 200 U | 190 U | |
| Nitrobenzene | 200 U | 190 U | |
| Pentachlorophenol | 1000 U | 960 U | |
| Phenanthrene | 52 J | 190 U | |
| Phenol | 200 U | 190 U | |
| Pyrene | 100 J | 190 U | |
| bis(2-Chloroethoxy)methane | 200 U | 190 U | |
| bis(2-Chloroethyl)ether | 200 U | 190 U | |
| bis(2-Ethylhexyl)phthalate | 61 J | 190 U | |
| Total Semivolatiles | 599 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Saugat Area 1
DAS-T2-S1 - 103 Walnut Street
Method 680 Polychlorinated Biphenyl Data**

| Sample ID | DAS-T2-S1-0-0 5FT | DAS-T2-S1-3-6FT |
|---------------------|-------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Decachlorobiphenyl | 41 | 19 U |
| Dichlorobiphenyl | 3.9 U | 3.7 U |
| Heptachlorobiphenyl | 12 U | 11 U |
| Hexachlorobiphenyl | 8.0 U | 7.5 U |
| Monochlorobiphenyl | 3.9 U | 3.7 U |
| Nonachlorobiphenyl | 20 U | 19 U |
| Octachlorobiphenyl | 12 U | 11 U |
| Pentachlorobiphenyl | 8.0 U | 7.5 U |
| Tetrachlorobiphenyl | 8.0 U | 7.5 U |
| Trichlorobiphenyl | 3.9 U | 3.7 U |
| Total PCBs | 41 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T2-S1 - 103 Walnut Street
Method 8081A Pesticide Data

| Sample ID | DAS-T2-S1-0-0.5FT | DAS-T2-S1-3-6FT |
|---------------------|-------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 4,4'-DDD | 3.9 U | 3.7 U |
| 4,4'-DDE | 3.9 U | 3.7 U |
| 4,4'-DDT | 3.9 U | 3.7 U |
| Aldrin | 2.0 U | 1.9 U |
| Alpha Chlordane | 2.0 U | 1.9 U |
| Dieldrin | 1.3 J | 0.41 J |
| Endosulfan I | 2.0 U | 1.9 U |
| Endosulfan II | 3.9 U | 3.7 U |
| Endosulfan sulfate | 3.9 U | 3.7 U |
| Endrin | 3.9 U | 3.7 U |
| Endrin aldehyde | 3.9 U | 3.7 U |
| Endrin ketone | 3.9 U | 3.7 U |
| Gamma Chlordane | 2.0 U | 1.9 U |
| Heptachlor | 2.0 U | 1.9 U |
| Heptachlor epoxide | 2.0 U | 1.9 U |
| Methoxychlor | 20 U | 19 U |
| Toxaphene | 200 U | 190 U |
| alpha-BHC | 0.60 U | 0.56 U |
| beta-BHC | 0.60 U | 0.56 U |
| delta-BHC | 0.60 U | 0.56 U |
| gamma-BHC (Lindane) | 2.0 U | 1.9 U |
| Total Pesticides | 1.3 | 0.41 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T2-S1 - 103 Walnut Street
Method 8151A Herbicide Data

| Sample ID | DAS-T2-S1-0-0 5FT | DAS-T2-S1-3-6FT |
|-------------------|-------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 2,4,5-T | 9.8 U | 9.3 U |
| 2,4,5-TP (Silvex) | 9.8 U | 9.3 U |
| 2,4-D | 9.8 U | 9.3 U |
| 2,4-DB | 9.8 U | 9.3 U |
| Dalapon | 77 U | 73 U |
| Dicamba | 24 U | 22 U |
| Dichloroprop | 120 U | 110 U |
| Dinoseb | 120 U | 110 U |
| MCPA | 2400 U | 2200 U |
| MCPP | 2400 U | 2200 U |
| Pentachlorophenol | 1.4 J | 19 U |
| Total Herbicides | 1.4 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T2-S1 - 103 Walnut Street
Method 6010B/7471A/9010B Metals Data

| Sample ID | DAS-T2-S1-0-0 5FT | DAS-T2-S1-3-6FT |
|-----------------|-------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | mg/kg dw | mg/kg dw |
| Compound | | |
| Aluminum | 7200 | 4900 |
| Antimony | 2.2 UJ | 2.0 UJ |
| Arsenic | 7.6 | 5.0 |
| Barium | 160 | 170 J |
| Beryllium | 0.55 | 0.36 J |
| Cadmium | 2.6 J | 0.27 J |
| Calcium | 16000 J | 15000 |
| Chromium | 13 | 8.9 |
| Cobalt | 6.4 | 5.3 |
| Copper | 110 J | 10 |
| Cyanide, Total | 0.60 U | 0.56 U |
| Iron | 16000 J | 11000 |
| Lead | 88 J | 8.1 |
| Magnesium | 9500 | 5800 J |
| Manganese | 430 | 250 |
| Mercury | 0.076 J | 0.017 UJ |
| Molybdenum | 0.82 J | 0.42 J |
| Nickel | 24 | 14 |
| Potassium | 1900 | 1100 |
| Selenium | 1.1 U | 1.0 U |
| Silver | 0.48 J | 1.0 U |
| Sodium | 130 U | 140 U |
| Thallium | 1.1 U | 1.0 U |
| Vanadium | 24 | 16 J |
| Zinc | 290 J | 36 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T2-S1 - 103 Walnut Street
Method 8280A PCDD/PCDF Data

| | |
|------------------------------|-------------------|
| Sample ID | DAS-T2-S1-0-0.5FT |
| Sample Date | 04/18/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 9 J |
| 1,2,3,4,6,7,8,9-OCDF | 1.4 J |
| 1,2,3,4,6,7,8-HxCDD | 0.63 |
| 1,2,3,4,6,7,8-HxCDF | 0.26 |
| 1,2,3,4,7,8,9-HxCDF | 0.04 U |
| 1,2,3,4,7,8-HxCDD | 0.04 U |
| 1,2,3,4,7,8-HxCDF | 0.02 UJ |
| 1,2,3,6,7,8-HxCDD | 0.06 U |
| 1,2,3,6,7,8-HxCDF | 0.03 U |
| 1,2,3,7,8,9-HxCDD | 0.08 U |
| 1,2,3,7,8,9-HxCDF | 0.03 U |
| 1,2,3,7,8-PeCDD | 0.1 U |
| 1,2,3,7,8-PeCDF | 0.05 U |
| 2,3,4,6,7,8-HxCDF | 0.03 U |
| 2,3,4,7,8-PeCDF | 0.06 U |
| 2,3,7,8-TCDD | 0.07 U |
| 2,3,7,8-TCDF | 0.04 U |
| 1998 Total TEQ w/ EMPC as ND | 0.02144 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



**Solutia
Sauget Area 1
DAS-T2-S2 - 107 Walnut Street
Method 8260B Volatile Organic Compound Data**

| Sample ID | DAS-T2-S2-0-0 5FT | DAS-T2-S2-3-6FT |
|--------------------------------------|-------------------|-----------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 1,1,1-Trichloroethane | 5.6 U | 7.0 U |
| 1,1,2,2-Tetrachloroethane | 5.6 U | 7.0 U |
| 1,1,2-Trichloroethane | 5.6 U | 7.0 U |
| 1,1-Dichloroethane | 5.6 U | 7.0 U |
| 1,1-Dichloroethene | 5.2 U | 6.4 U |
| 1,2-Dichloroethane | 5.6 U | 7.0 U |
| 1,2-Dichloropropane | 5.6 U | 7.0 U |
| 2-Butanone (MEK) | 12 J | 35 U |
| 2-Hexanone | 28 U | 35 U |
| 4-Methyl-2-pentanone (MIBK) | 28 U | 35 U |
| Acetone | 200 | 70 U |
| Benzene | 5.6 U | 7.0 U |
| Bromodichloromethane | 5.6 U | 7.0 U |
| Bromoform | 5.6 U | 7.0 U |
| Bromomethane | 11 U | 14 U |
| Carbon disulfide | 5.6 U | 7.0 U |
| Carbon tetrachloride | 5.6 U | 7.0 U |
| Chlorobenzene | 5.6 U | 7.0 U |
| Chloroethane | 11 U | 14 U |
| Chloroform | 5.6 U | 7.0 U |
| Chloromethane | 11 U | 14 U |
| Cis/Trans-1,2-Dichloroethene | 5.6 U | 7.0 U |
| Dibromochloromethane | 5.6 U | 7.0 U |
| Ethylbenzene | 5.6 U | 7.0 U |
| Methylene chloride (Dichloromethane) | 5.6 U | 7.0 U |
| Styrene | 5.6 U | 7.0 U |
| Tetrachloroethene | 5.6 U | 7.0 U |
| Toluene | 5.6 U | 7.0 U |
| Trichloroethene | 5.6 U | 7.0 U |
| Vinyl chloride | 11 U | 14 U |
| Xylenes, Total | 5.6 U | 7.0 U |
| cis-1,3-Dichloropropene | 4.5 U | 5.6 U |
| trans-1,3-Dichloropropene | 4.5 U | 5.6 U |
| Total VOCs | 212 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T2-S2 - 107 Walnut Street
Method 8270C Semivolatile Organic Compound Data

| | Sample ID | DAS-T2-S2-0-0 5FT | DAS-T2-S2-3-6FT |
|-------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,2,4-Trichlorobenzene | 200 U | 180 U | |
| 1,2-Dichlorobenzene | 200 U | 180 U | |
| 1,3-Dichlorobenzene | 200 U | 180 U | |
| 1,4-Dichlorobenzene | 200 U | 180 U | |
| 2,2'-Oxybis(1-Chloropropane) | 200 U | 180 U | |
| 2,4,5-Trichlorophenol | 200 U | 180 U | |
| 2,4,6-Trichlorophenol | 200 U | 180 U | |
| 2,4-Dichlorophenol | 200 U | 180 U | |
| 2,4-Dinitrophenol | 980 U | 900 U | |
| 2,4-Dinitrotoluene | 200 U | 180 U | |
| 2,6-Dinitrotoluene | 200 U | 180 U | |
| 2-Chloronaphthalene | 200 U | 180 U | |
| 2-Chlorophenol | 200 U | 180 U | |
| 2-Methylnaphthalene | 200 U | 180 U | |
| 2-Methylphenol (o-cresol) | 200 U | 180 U | |
| 2-Nitroaniline | 980 U | 900 U | |
| 2-Nitrophenol | 200 U | 180 U | |
| 3,3'-Dichlorobenzidine | 380 U | 350 U | |
| 3-Methylphenol/4-Methylphenol | 200 U | 180 U | |
| 3-Nitroaniline | 980 U | 900 U | |
| 4,6-Dinitro-2-methoxyphenol | 980 U | 900 U | |
| 4-Bromophenylphenyl ether | 200 U | 180 U | |
| 4-Chloro-3-methylphenol | 200 U | 180 U | |
| 4-Chloroaniline | 380 U | 350 U | |
| 4-Chlorophenylphenyl ether | 200 U | 180 U | |
| 4-Nitroaniline | 980 U | 900 U | |
| 4-Nitrophenol | 980 U | 900 U | |
| Acenaphthene | 200 U | 180 U | |
| Acenaphthylene | 200 U | 180 U | |
| Anthracene | 200 U | 180 U | |
| Benzo(a)anthracene | 200 U | 180 U | |
| Benzo(a)pyrene | 100 U | 96 U | |
| Benzo(b)fluoranthene | 200 U | 180 U | |
| Benzo(g,h,i)perylene | 200 U | 180 U | |
| Benzo(k)fluoranthene | 200 U | 180 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T2-S2 - 107 Walnut Street
Method 8270C Semivolatile Organic Compound Data

| Compound | Sample ID DAS-T2-S2-0-0 5FT | Sample ID DAS-T2-S2-3-6FT |
|----------------------------|--------------------------------|------------------------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| Butylbenzylphthalate | 200 U | 180 U |
| Carbazole | 200 U | 180 U |
| Chrysene | 200 U | 180 U |
| Di-n-butylphthalate | 120 J | 180 U |
| Di-n-octylphthalate | 200 U | 180 U |
| Dibenzo(a,h)anthracene | 100 U | 96 U |
| Dibenzofuran | 200 U | 180 U |
| Diethylphthalate | 200 U | 180 U |
| Dimethylphthalate | 200 U | 180 U |
| Fluoranthene | 200 U | 180 U |
| Fluorene | 200 U | 180 U |
| Hexachlorobenzene | 80 U | 74 U |
| Hexachlorobutadiene | 200 U | 180 U |
| Hexachlorocyclopentadiene | 200 U | 180 U |
| Hexachloroethane | 200 U | 180 U |
| Indeno(1,2,3-cd)pyrene | 200 U | 180 U |
| Isothorone | 200 U | 180 U |
| N-Nitroso-di-n-propylamine | 200 U | 180 U |
| N-Nitrosodiphenylamine | 200 U | 180 U |
| Naphthalene | 200 U | 180 U |
| Nitrobenzene | 200 U | 180 U |
| Pentachlorophenol | 980 U | 900 U |
| Phenanthrene | 200 U | 180 U |
| Phenol | 200 U | 180 U |
| Pyrene | 200 U | 180 U |
| bis(2-Chloroethoxy)methane | 200 U | 180 U |
| bis(2-Chloroethyl)ether | 200 U | 180 U |
| bis(2-Ethylhexyl)phthalate | 57 J | 180 U |
| Total Semivolatiles | 177 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T2-S2 - 107 Walnut Street
Method 680 Polychlorinated Biphenyl Data

| | Sample ID | DAS-T2-S2-0-0 5FT | DAS-T2-S2-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Decachlorobiphenyl | 19 U | 18 U | |
| Dichlorobiphenyl | 3.8 U | 3.5 U | |
| Heptachlorobiphenyl | 11 U | 11 U | |
| Hexachlorobiphenyl | 7.7 U | 7.1 U | |
| Monochlorobiphenyl | 3.8 U | 3.5 U | |
| Nonachlorobiphenyl | 19 U | 18 U | |
| Octachlorobiphenyl | 11 U | 11 U | |
| Pentachlorobiphenyl | 7.7 U | 7.1 U | |
| Tetrachlorobiphenyl | 7.7 U | 7.1 U | |
| Trichlorobiphenyl | 3.8 U | 3.5 U | |
| Total PCBs | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T2-S2 - 107 Walnut Street
Method 8081A Pesticide Data

| Compound | Sample ID DAS-T2-S2-0-0.5FT | Sample ID DAS-T2-S2-3-6FT |
|---------------------|--------------------------------|------------------------------|
| Sample Date | 04/18/00 | 04/18/00 |
| Units | ug/kg dw | ug/kg dw |
| 4,4'-DDD | 3.8 U | 3.5 U |
| 4,4'-DDE | 3.8 U | 3.5 U |
| 4,4'-DDT | 3.8 U | 3.5 U |
| Aldrin | 2.0 U | 1.8 U |
| Alpha Chlordane | 2.0 U | 1.8 U |
| Dieldrin | 3.8 U | 3.5 U |
| Endosulfan I | 2.0 U | 1.8 U |
| Endosulfan II | 3.8 U | 3.5 U |
| Endosulfan sulfate | 3.8 U | 3.5 U |
| Endrin | 3.8 U | 3.5 U |
| Endrin aldehyde | 3.8 U | 3.5 U |
| Endrin ketone | 3.8 U | 3.5 U |
| Gamma Chlordane | 2.0 U | 1.8 U |
| Heptachlor | 2.0 U | 1.8 U |
| Heptachlor epoxide | 2.0 U | 1.8 U |
| Methoxychlor | 20 U | 18 U |
| Toxaphene | 200 U | 180 U |
| alpha-BHC | 0.57 U | 0.53 U |
| beta-BHC | 0.57 U | 0.53 U |
| delta-BHC | 0.57 U | 0.53 U |
| gamma-BHC (Lindane) | 2.0 U | 1.8 U |
| Total Pesticides | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T2-S2 - 107 Walnut Street
Method 8151A Herbicide Data

| | Sample ID | DAS-T2-S2-0-0.5FT | DAS-T2-S2-3-6FT |
|-------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 2,4,5-T | 9.4 U | 8.8 U | |
| 2,4,5-TP (Silvex) | 9.4 U | 8.8 U | |
| 2,4-D | 9.4 U | 8.8 U | |
| 2,4-DB | 9.4 U | 8.8 U | |
| Dalapon | 74 U | 69 U | |
| Dicamba | 1.3 J | 21 U | |
| Dichloroprop | 110 U | 110 U | |
| Dinoseb | 110 U | 110 U | |
| MCPA | 2300 U | 2100 U | |
| MCPP | 2300 U | 2100 U | |
| Pentachlorophenol | 2.6 J | 18 U | |
| Total Herbicides | 3.9 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T2-S2 - 107 Walnut Street
Method 6010B/7471A/9010B Metals Data

| | Sample ID | DAS-T2-S2-0-0.5FT | DAS-T2-S2-1-6FT |
|-----------------|-------------|-------------------|-----------------|
| | Sample Date | 04/18/00 | 04/18/00 |
| | Units | mg/kg dw | mg/kg dw |
| Compound | | | |
| Aluminum | 13000 | 2800 | |
| Antimony | 2.1 UJ | 2.1 UJ | |
| Arsenic | 6.0 | 3.4 | |
| Barium | 190 | 110 J | |
| Beryllium | 0.72 | 0.19 J | |
| Cadmium | 1.1 J | 0.14 J | |
| Calcium | 11000 J | 5900 | |
| Chromium | 48 | 6.5 | |
| Cobalt | 6.9 | 4.0 | |
| Copper | 53 J | 3.7 | |
| Cyanide, Total | 0.57 U | 0.53 U | |
| Iron | 25000 J | 7900 | |
| Lead | 24 J | 5.5 | |
| Magnesium | 4800 | 3500 J | |
| Manganese | 1200 | 140 | |
| Mercury | 0.094 J | 0.021 U | |
| Molybdenum | 0.55 J | 0.16 J | |
| Nickel | 18 | 10 | |
| Potassium | 2400 | 580 | |
| Selenium | 1.0 U | 1.1 U | |
| Silver | 1.0 U | 1.1 U | |
| Sodium | 97 U | 140 U | |
| Thallium | 1.3 | 1.1 U | |
| Vanadium | 120 | 12 J | |
| Zinc | 140 J | 25 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T2-S2 - 107 Walnut Street
Method 8280A PCDD/PCDF Data

| | |
|------------------------------|-------------------|
| Sample ID | DAS-T2-S2-0-0.5FT |
| Sample Date | 04/18/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 2.7 JM |
| 1,2,3,4,6,7,8,9-OCDF | 0.1 J |
| 1,2,3,4,6,7,8-HxCDD | 0.24 |
| 1,2,3,4,6,7,8-HxCDF | 0.03 U |
| 1,2,3,4,7,8,9-HxCDF | 0.03 U |
| 1,2,3,4,7,8-HxCDD | 0.03 U |
| 1,2,3,4,7,8-HxCDF | 0.02 UJ |
| 1,2,3,6,7,8-HxCDD | 0.05 U |
| 1,2,3,6,7,8-HxCDF | 0.03 U |
| 1,2,3,7,8,9-HxCDD | 0.06 U |
| 1,2,3,7,8,9-HxCDF | 0.03 U |
| 1,2,3,7,8-PeCDF | 0.1 U |
| 1,2,3,7,8-PeCDD | 0.04 U |
| 2,3,4,6,7,8-HxCDF | 0.03 U |
| 2,3,4,7,8-PeCDF | 0.05 U |
| 2,3,7,8-TCDD | 0.06 U |
| 2,3,7,8-TCDF | 0.04 U |
| 1998 Total TEQ w/ EMPC as ND | 0.012195 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



**Solutia
Sauget Area 1
DAS-T2-S3 - 109 Walnut Street
Method 8260B Volatile Organic Compound Data**

| | Sample ID | DAS-T2-S3-0-0 5FT | DAS-T2-S3-3-6FT | DAS-T2-S3-3-6FTFD |
|--------------------------------------|-------------|-------------------|-----------------|-------------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | |
| 1,1,1-Trichloroethane | 6.6 U | 6.2 U | 6.6 U | |
| 1,1,2-Tetrachloroethane | 6.6 U | 6.2 U | 6.6 U | |
| 1,1,2-Trichloroethane | 6.6 U | 6.2 U | 6.6 U | |
| 1,1-Dichloroethane | 6.6 U | 6.2 U | 6.6 U | |
| 1,1-Dichloroethene | 6.0 U | 5.7 U | 6.1 U | |
| 1,2-Dichloroethane | 6.6 U | 6.2 U | 6.6 U | |
| 1,2-Dichloropropane | 6.6 U | 6.2 U | 6.6 U | |
| 2-Butanone (MEK) | 33 U | 30 J | 33 U | |
| 2-Hexanone | 33 U | 31 U | 33 U | |
| 4-Methyl-2-pentanone (MIBK) | 33 U | 31 U | 33 U | |
| Acetone | 66 U | 180 | 66 U | |
| Benzene | 6.6 U | 6.2 U | 6.6 U | |
| Bromodichloromethane | 6.6 U | 6.2 U | 6.6 U | |
| Bromoform | 6.6 U | 6.2 U | 6.6 U | |
| Bromomethane | 13 U | 12 U | 13 U | |
| Carbon disulfide | 6.6 U | 6.2 U | 6.6 U | |
| Carbon tetrachloride | 6.6 U | 6.2 U | 6.6 U | |
| Chlorobenzene | 6.6 U | 6.2 U | 6.6 U | |
| Chloroethane | 13 U | 12 U | 13 U | |
| Chloroform | 6.6 U | 6.2 U | 6.6 U | |
| Chloromethane | 13 U | 12 U | 13 U | |
| Cis-Trans-1,2-Dichloroethene | 6.6 U | 6.2 U | 6.6 U | |
| Dibromochloromethane | 6.6 U | 6.2 U | 6.6 U | |
| Ethylbenzene | 6.6 U | 6.2 U | 6.6 U | |
| Methylene chloride (Dichloromethane) | 2.0 J | 6.2 U | 6.6 U | |
| Styrene | 6.6 U | 6.2 U | 6.6 U | |
| Tetrachloroethene | 6.6 U | 6.2 U | 6.6 U | |
| Toluene | 6.6 U | 6.2 U | 6.6 U | |
| Trichloroethene | 6.6 U | 6.2 U | 6.6 U | |
| Vinyl chloride | 13 U | 12 U | 13 U | |
| Xylenes, Total | 6.6 U | 6.2 U | 6.6 U | |
| cis-1,3-Dichloropropene | 5.3 U | 5.0 U | 5.3 U | |
| trans-1,3-Dichloropropene | 5.3 U | 5.0 U | 5.3 U | |
| Total VOCs | 2 | 210 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T2-S3 - 109 Walnut Street
Method 8270C Semivolatile Organic Compound Data**

| | Sample ID | DAS-T2-S3-0-0 5FT | DAS-T2-S3-3-6FT | DAS-T2-S3-3-6FTFD |
|-------------------------------|-------------|-------------------|-----------------|-------------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | |
| 1,2,4-Trichlorobenzene | 220 U | 190 U | 190 U | |
| 1,2-Dichlorobenzene | 220 U | 190 U | 190 U | |
| 1,3-Dichlorobenzene | 220 U | 190 U | 190 U | |
| 1,4-Dichlorobenzene | 220 U | 190 U | 190 U | |
| 2,2'-Oxybis(1-Chloropropane) | 220 U | 190 U | 190 U | |
| 2,4,5-Trichlorophenol | 220 U | 190 U | 190 U | |
| 2,4,6-Trichlorophenol | 220 U | 190 U | 190 U | |
| 2,4-Dichlorophenol | 220 U | 190 U | 190 U | |
| 2,4-Dinitrophenol | 1100 U | 930 U | 940 U | |
| 2,4-Dinitrotoluene | 220 U | 190 U | 190 U | |
| 2,6-Dinitrotoluene | 220 U | 190 U | 190 U | |
| 2-Chloronaphthalene | 220 U | 190 U | 190 U | |
| 2-Chlorophenol | 220 U | 190 U | 190 U | |
| 2-Methylnaphthalene | 220 U | 190 U | 190 U | |
| 2-Methylphenol (o-cresol) | 220 U | 190 U | 190 U | |
| 2-Nitroaniline | 1100 U | 930 U | 940 U | |
| 2-Nitrophenol | 220 U | 190 U | 190 U | |
| 3,3'-Dichlorobenzidine | 430 U | 360 U | 370 U | |
| 3-Methylphenol/4-Methylphenol | 220 U | 190 U | 190 U | |
| 3-Nitroaniline | 1100 U | 930 U | 940 U | |
| 4,6-Dinitro-2-methylphenol | 1100 U | 930 U | 940 U | |
| 4-Bromophenylphenyl ether | 220 U | 190 U | 190 U | |
| 4-Chloro-3-methylphenol | 220 U | 190 U | 190 U | |
| 4-Chloroaniline | 430 U | 360 U | 370 U | |
| 4-Chlorophenylphenyl ether | 220 U | 190 U | 190 U | |
| 4-Nitroaniline | 1100 U | 930 U | 940 U | |
| 4-Nitrophenol | 1100 U | 930 U | 940 U | |
| Acenaphthene | 220 U | 190 U | 190 U | |
| Acenaphthylene | 220 U | 190 U | 190 U | |
| Anthracene | 220 U | 190 U | 190 U | |
| Benzo(a)anthracene | 220 U | 190 U | 190 U | |
| Benzo(a)pyrene | 120 U | 99 U | 100 U | |
| Benzo(b)fluoranthene | 32 J | 190 U | 190 U | |
| Benzo(g,h,i)perylene | 220 U | 190 U | 190 U | |
| Benzo(k)fluoranthene | 220 U | 190 U | 190 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T2-S3 - 109 Walnut Street
Method 8270C Semivolatile Organic Compound Data**

| | Sample ID | DAS-T2-S3-0-0.5FT | DAS-T2-S3-3-6FT | DAS-T2-S3-3-6FTFD |
|----------------------------|-------------|-------------------|-----------------|-------------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | |
| Butylbenzylphthalate | 220 U | 190 U | 190 U | |
| Carbazole | 220 U | 190 U | 190 U | |
| Chrysene | 29 J | 190 U | 190 U | |
| Di-n-butylphthalate | 220 U | 190 U | 190 U | |
| Di-n-octylphthalate | 220 U | 190 U | 190 U | |
| Dibenz(a,h)anthracene | 120 U | 99 U | 100 U | |
| Dibenzofuran | 220 U | 190 U | 190 U | |
| Diethylphthalate | 220 U | 190 U | 190 U | |
| Dimethylphthalate | 220 U | 190 U | 190 U | |
| Fluoranthene | 220 U | 190 U | 190 U | |
| Fluorene | 220 U | 190 U | 190 U | |
| Hexachlorobenzene | 92 U | 77 U | 78 U | |
| Hexachlorobutadiene | 220 U | 190 U | 190 U | |
| Hexachlorocyclopentadiene | 220 U | 190 U | 190 U | |
| Hexachloroethane | 220 U | 190 U | 190 U | |
| Indeno(1,2,3-cd)pyrene | 220 U | 190 U | 190 U | |
| Isophorone | 220 U | 190 U | 190 U | |
| N-Nitroso-di-n-propylamine | 220 U | 190 U | 190 U | |
| N-Nitrosodiphenylamine | 220 U | 190 U | 190 U | |
| Naphthalene | 220 U | 190 U | 190 U | |
| Nitrobenzene | 220 U | 190 U | 190 U | |
| Pentachlorophenol | 1100 U | 930 U | 940 U | |
| Phenanthrene | 220 U | 190 U | 190 U | |
| Phenol | 220 U | 190 U | 190 U | |
| Pyrene | 220 U | 190 U | 190 U | |
| bis(2-Chloroethoxy)methane | 220 U | 190 U | 190 U | |
| bis(2-Chloroethyl)ether | 220 U | 190 U | 190 U | |
| bis(2-Ethylhexyl)phthalate | 220 U | 190 U | 190 U | |
| Total Semivolatiles | 61 | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T2-S3 - 109 Walnut Street
Method 680 Polychlorinated Biphenyl Data**

| | Sample ID | DAS-T2-S3-0-0.5FT | DAS-T2-S3-3-FT | DAS-T2-S3-3-6FTFD |
|---------------------|-------------|-------------------|----------------|-------------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | |
| Decachlorobiphenyl | 12 J | 18 U | 18 U | |
| Dichlorobiphenyl | 4.3 U | 3.6 U | 3.7 U | |
| Heptachlorobiphenyl | 13 U | 11 U | 11 U | |
| Hexachlorobiphenyl | 8.8 U | 7.4 U | 7.4 U | |
| Monochlorobiphenyl | 4.3 U | 3.6 U | 3.7 U | |
| Nonachlorobiphenyl | 22 U | 18 U | 18 U | |
| Octachlorobiphenyl | 13 U | 11 U | 11 U | |
| Pentachlorobiphenyl | 8.8 U | 7.4 U | 7.4 U | |
| Tetrachlorobiphenyl | 8.8 U | 7.4 U | 7.4 U | |
| Trichlorobiphenyl | 4.3 U | 3.6 U | 3.7 U | |
| Total PCBs | 12 | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
DAS-T2-S3 - 109 Walnut Street
Method 8081A Pesticide Data**

| | Sample ID | DAS-T2-S3-0-0 SFT | DAS-T2-S3-3-6FT | DAS-T2-S3-3-6FTFD | | | | |
|--|--|-------------------|-----------------|-------------------|--|--|--|--|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 | | | | |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw | | | | |
| Compound | | | | | | | | |
| 4,4'-DDD | | 0.56 J | 3.6 UJ | 3.7 U | | | | |
| 4,4'-DDE | | 4.3 U | 3.6 UJ | 3.7 U | | | | |
| 4,4'-DDT | | 14 | 3.6 UJ | 3.7 U | | | | |
| Aldrin | | 2.2 U | 1.9 UJ | 1.9 U | | | | |
| Alpha Chlordane | | 2.2 U | 1.9 UJ | 1.9 U | | | | |
| Dieldrin | | 4.3 U | 3.6 UJ | 3.7 U | | | | |
| Endosulfan I | | 2.2 U | 1.9 UJ | 1.9 U | | | | |
| Endosulfan II | | 4.3 U | 3.6 UJ | 3.7 U | | | | |
| Endosulfan sulfate | | 4.3 U | 3.6 UJ | 3.7 U | | | | |
| Endrin | | 4.3 U | 3.6 UJ | 3.7 U | | | | |
| Endrin aldehyde | | 4.3 U | 3.6 UJ | 3.7 U | | | | |
| Endrin ketone | | 4.3 U | 3.6 UJ | 3.7 U | | | | |
| Gamma Chlordane | | 2.2 U | 1.9 UJ | 1.9 U | | | | |
| Heptachlor | | 2.2 U | 1.9 UJ | 1.9 U | | | | |
| Heptachlor epoxide | | 2.2 U | 1.9 UJ | 1.9 U | | | | |
| Methoxychlor | | 22 U | 19 UJ | 19 U | | | | |
| Toxaphene | | 220 U | 190 UJ | 190 U | | | | |
| alpha-BHC | | 0.66 U | 0.55 UJ | 0.56 U | | | | |
| beta-BHC | | 0.66 U | 0.55 UJ | 0.56 U | | | | |
| delta-BHC | | 0.66 U | 0.55 UJ | 0.56 U | | | | |
| gamma-BHC (Lindane) | | 2.2 U | 1.9 UJ | 1.9 U | | | | |
| Total Pesticides | | 14.56 | ND | ND | | | | |
| NOTES: | U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis. | | | | | | | |
| EB - Equipment Blank, FD - Field Duplicate | | | | | | | | |
| DAS - Developed Area Soil Sample | | | | | | | | |



Solutia
Sauget Area 1
DAS-T2-S3 - 109 Walnut Street
Method 8151A Herbicide Data

| | Sample ID | DAS-T2-S3-0-0.5FT | DAS-T2-S3-3-6FT | DAS-T2-S3-3-6FTFD |
|-------------------|-------------|-------------------|-----------------|-------------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | |
| 2,4,5-T | 11 U | 9.1 U | 9.2 U | |
| 2,4,5-TP (Silvex) | 11 U | 9.1 U | 9.2 U | |
| 2,4-D | 11 U | 9.1 U | 9.2 U | |
| 2,4-DB | 11 U | 9.1 U | 9.2 U | |
| Dalapon | 85 U | 71 U | 72 U | |
| Dicamba | 26 U | 22 U | 22 U | |
| Dichloroprop | 130 U | 110 U | 110 U | |
| Dinoseb | 130 U | 110 U | 110 U | |
| MCPA | 2000 J | 2200 U | 2200 U | |
| MCPP | 2600 U | 2200 U | 2200 U | |
| Pentachlorophenol | 22 U | 18 U | 19 U | |
| Total Herbicides | 2000 | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T2-S3 - 109 Walnut Street
Method 6010B/7471A/9010B Metals Data**

| Compound | Sample ID | DAS-T2-S3-0-0 5FT | DAS-T2-S3-3-6FT | DAS-T2-S3-3-6FTFD |
|----------------|-------------|-------------------|-----------------|-------------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | mg/kg dw | mg/kg dw | mg/kg dw |
| Aluminum | 11000 | 3100 | 2600 | |
| Antimony | 2.2 UJ | 2.2 UJ | 2.0 UJ | |
| Arsenic | 9.0 | 3.8 | 3.1 | |
| Barium | 190 | 110 J | 89 J | |
| Beryllium | 0.76 | 0.22 J | 0.18 J | |
| Cadmium | 2.4 J | 0.11 J | 0.51 U | |
| Calcium | 16000 J | 5300 | 4500 | |
| Chromium | 19 | 6.6 | 5.5 | |
| Cobalt | 8.3 | 4.3 | 3.8 | |
| Copper | 94 J | 4.8 | 3.7 | |
| Cyanide, Total | 0.66 U | 0.55 U | 0.56 U | |
| Iron | 19000 J | 8400 | 7100 | |
| Lead | 76 J | 5.6 | 4.9 | |
| Magnesium | 5800 | 3600 J | 2900 J | |
| Manganese | 560 | 160 | 160 | |
| Mercury | 0.086 J | 0.02 U | 0.02 U | |
| Molybdenum | 0.94 J | 0.25 J | 0.24 J | |
| Nickel | 24 | 11 | 9.3 | |
| Potassium | 2500 | 670 | 560 | |
| Selenium | 0.55 J | 1.1 U | 1.0 U | |
| Silver | 0.43 J | 1.1 U | 1.0 U | |
| Sodium | 130 U | 110 U | 100 U | |
| Thallium | 0.71 J | 0.63 J | 1.0 U | |
| Vanadium | 34 | 13 J | 10 J | |
| Zinc | 260 J | 25 | 22 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T2-S3 - 109 Walnut Street
Method 8280A PCDD/PCDF Data**

| | Sample ID | DAS-T2-S3-0-5FT | DAS-T2-S3-3-6FT | DAS-T2-S3-3-6FTFD |
|------------------------------|-------------|-----------------|-----------------|-------------------|
| | Sample Date | 04/18/00 | 04/18/00 | 04/18/00 |
| | Units | ug/kg | ug/kg | ug/kg |
| Compound | | | | |
| 1,2,3,4,6,7,8,9-OCDD | 1.7 JM | 0.25 JM | 0.44 JM | |
| 1,2,3,4,6,7,8,9-OCDF | 0.16 J | 0.05 UJ | 0.08 J | |
| 1,2,3,4,6,7,8-HxCDD | 0.18 J | 0.04 U | 0.05 U | |
| 1,2,3,4,6,7,8-HxCDF | 0.04 UJ | 0.03 U | 0.03 U | |
| 1,2,3,4,7,8-HxCDF | 0.04 UJ | 0.03 U | 0.03 U | |
| 1,2,3,4,7,8-HxCDD | 0.05 UJ | 0.03 U | 0.03 U | |
| 1,2,3,4,7,8-HxCDF | 0.03 UJ | 0.02 UJ | 0.02 UJ | |
| 1,2,3,6,7,8-HxCDD | 0.08 UJ | 0.04 U | 0.05 U | |
| 1,2,3,6,7,8-HxCDF | 0.04 UJ | 0.02 U | 0.03 U | |
| 1,2,3,7,8,9-HxCDD | 0.1 UJ | 0.06 U | 0.06 U | |
| 1,2,3,7,8,9-HxCDF | 0.04 UJ | 0.02 U | 0.03 U | |
| 1,2,3,7,8-PeCDD | 0.1 U | 0.09 U | 0.08 U | |
| 1,2,3,7,8-PeCDF | 0.06 U | 0.04 U | 0.04 U | |
| 2,3,4,6,7,8-HxCDF | 0.04 UJ | 0.02 U | 0.03 U | |
| 2,3,4,7,8-PeCDF | 0.07 U | 0.05 U | 0.05 U | |
| 2,3,7,8-TCDD | 0.07 U | 0.05 U | 0.04 U | |
| 2,3,7,8-TCDF | 0.05 U | 0.03 U | 0.03 U | |
| 1998 Total TEQ w/ EMPC as ND | 0.017101 | 0.070365 | 0.06043 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



**Solutia
Sauget Area 1
DAS-T3-S1 - 3325 Barber Street
Method 8260B Volatile Organic Compound Data**

| Sample ID | DAS-T3-S1-0-0 SFT | DAS-T3-S1-3-6FT |
|--------------------------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 1,1,1-Trichloroethane | 5.7 U | 6.1 U |
| 1,1,2-Tetrachloroethane | 5.7 U | 6.1 U |
| 1,1,2-Trichloroethane | 5.7 U | 6.1 U |
| 1,1-Dichloroethane | 5.7 U | 6.1 U |
| 1,1-Dichloroethene | 5.2 U | 5.6 U |
| 1,2-Dichloroethane | 5.7 U | 6.1 U |
| 1,2-Dichloropropane | 5.7 U | 6.1 U |
| 2-Butanone (MEK) | 28 U | 31 U |
| 2-Hexanone | 28 U | 31 U |
| 4-Methyl-2-pentanone (MIBK) | 28 U | 31 U |
| Acetone | 57 UJ | 61 U |
| Benzene | 5.7 U | 6.1 U |
| Bromodichloromethane | 5.7 U | 6.1 U |
| Bromoform | 5.7 U | 6.1 U |
| Bromomethane | 11 U | 12 U |
| Carbon disulfide | 5.7 U | 6.1 U |
| Carbon tetrachloride | 5.7 U | 6.1 U |
| Chlorobenzene | 5.7 U | 6.1 U |
| Chloroethane | 11 U | 12 U |
| Chloroform | 5.7 U | 6.1 U |
| Chloromethane | 11 U | 12 U |
| Cis/Trans-1,2-Dichloroethene | 5.7 U | 6.1 U |
| Dibromochloromethane | 5.7 U | 6.1 U |
| Ethylbenzene | 5.7 U | 6.1 U |
| Methylene chloride (Dichloromethane) | 5.7 U | 6.1 U |
| Styrene | 5.7 U | 6.1 U |
| Tetrachloroethene | 5.7 U | 6.1 U |
| Toluene | 5.7 U | 6.1 U |
| Trichloroethene | 5.7 U | 6.1 U |
| Vinyl chloride | 11 U | 12 U |
| Xylenes, Total | 5.7 U | 6.1 U |
| cis-1,3-Dichloropropene | 4.6 U | 4.9 U |
| trans-1,3-Dichloropropene | 4.6 U | 4.9 U |
| Total VOCs | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T3-S1 - 3325 Barber Street
Method 8270C Semivolatile Organic Compound Data

| | Sample ID | DAS-T3-S1-0-0.5FT | DAS-T3-S1-3-6FT |
|-------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,2,4-Trichlorobenzene | 210 U | 220 U | |
| 1,2-Dichlorobenzene | 210 U | 220 U | |
| 1,3-Dichlorobenzene | 210 U | 220 U | |
| 1,4-Dichlorobenzene | 210 U | 220 U | |
| 2,2'-Oxybis(1-Chloropropane) | 210 U | 220 U | |
| 2,4,5-Trichlorophenol | 210 U | 220 U | |
| 2,4,6-Trichlorophenol | 210 U | 220 U | |
| 2,4-Dichlorophenol | 210 U | 220 U | |
| 2,4-Dinitrophenol | 1000 U | 1100 U | |
| 2,4-Dinitrotoluene | 210 U | 220 U | |
| 2,6-Dinitrotoluene | 210 U | 220 U | |
| 2-Chloronaphthalene | 210 U | 220 U | |
| 2-Chlorophenol | 210 U | 220 U | |
| 2-Methylnaphthalene | 210 U | 220 U | |
| 2-Methylphenol (o-cresol) | 210 U | 220 U | |
| 2-Nitroaniline | 1000 U | 1100 U | |
| 2-Nitrophenol | 210 U | 220 U | |
| 3,3'-Dichlorobenzidine | 410 U | 430 U | |
| 3-Methylphenol/4-Methylphenol | 210 U | 220 U | |
| 3-Nitroaniline | 1000 U | 1100 U | |
| 4,6-Dinitro-2-methylphenol | 1000 U | 1100 U | |
| 4-Bromophenylphenyl ether | 210 U | 220 U | |
| 4-Chloro-3-methylphenol | 210 U | 220 U | |
| 4-Chloroaniline | 410 U | 430 U | |
| 4-Chlorophenylphenyl ether | 210 U | 220 U | |
| 4-Nitroaniline | 1000 U | 1100 U | |
| 4-Nitrophenol | 1000 U | 1100 U | |
| Acenaphthene | 210 U | 220 U | |
| Acenaphthylene | 210 U | 220 U | |
| Aanthracene | 210 U | 220 U | |
| Benzo(a)anthracene | 82 J | 220 U | |
| Benzo(a)pyrene | 82 J | 120 U | |
| Benzo(b)fluoranthene | 82 J | 220 U | |
| Benzo(g,h,i)perylene | 75 J | 110 J | |
| Benzo(k)fluoranthene | 83 J | 220 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia

Sauget Area 1

DAS-T3-S1 - 3325 Barber Street

Method 8270C Semivolatile Organic Compound Data

| Sample ID | DAS-T3-S1-0-0.5FT | DAS-T3-S1-3-6FT |
|----------------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Butylbenzylphthalate | 210 U | 220 U |
| Carbazole | 210 U | 220 U |
| Chrysene | 100 J | 220 U |
| Di-n-butylphthalate | 210 U | 220 U |
| Di-n-octylphthalate | 210 U | 220 U |
| Dibenzofuran | 110 U | 87 J |
| Dibenzofuran | 210 U | 220 U |
| Diethylphthalate | 210 U | 220 U |
| Dimethylphthalate | 210 U | 220 U |
| Fluoranthene | 220 | 220 U |
| Fluorene | 210 U | 220 U |
| Hexachlorobenzene | 86 U | 91 U |
| Hexachlorobutadiene | 210 U | 220 U |
| Hexachlorocyclopentadiene | 210 U | 220 U |
| Hexachloroethane | 210 U | 220 U |
| Indeno(1,2,3-cd)pyrene | 210 U | 92 J |
| Isophorone | 210 U | 220 U |
| N-Nitroso-di-n-propylamine | 210 U | 220 U |
| N-Nitrosodiphenylamine | 210 U | 220 U |
| Naphthalene | 210 U | 220 U |
| Nitrobenzene | 210 U | 220 U |
| Pentachlorophenol | 1000 U | 1100 U |
| Phenanthrene | 92 J | 220 U |
| Phenol | 210 U | 220 U |
| Pyrene | 160 J | 220 U |
| bis(2-Chloroethoxy)methane | 210 U | 220 U |
| bis(2-Chloroethyl)ether | 210 U | 220 U |
| bis(2-Ethylhexyl)phthalate | 100 J | 88 J |
| Total Semivolatiles | 1076 | 377 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample

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Solutia
Sauget Area 1
DAS-T3-S1 - 3325 Barber Street
Method 680 Polychlorinated Biphenyl Data

| Sample ID | DAS-T3-S1-0-0.5FT | DAS-T3-S1-1-6FT |
|---------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Decachlorobiphenyl | 13 J | 22 U |
| Dichlorobiphenyl | 4.1 U | 4.3 U |
| Heptachlorobiphenyl | 12 U | 13 U |
| Hexachlorobiphenyl | 8.3 U | 8.7 U |
| Monochlorobiphenyl | 4.1 U | 4.3 U |
| Nonachlorobiphenyl | 21 U | 22 U |
| Octachlorobiphenyl | 12 U | 13 U |
| Pentachlorobiphenyl | 8.3 U | 8.7 U |
| Tetrachlorobiphenyl | 8.3 U | 8.7 U |
| Trichlorobiphenyl | 4.1 U | 4.3 U |
| Total PCBs | 13 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T3-S1 - 3325 Barber Street
Method 8081A Pesticide Data

| Sample ID | DAS-T3-S1-0-0.5FT | DAS-T3-S1-3-6FT |
|---------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 4,4'-DDD | 4.1 U | 4.3 U |
| 4,4'-DDE | 4.1 U | 4.3 U |
| 4,4'-DDT | 4.1 U | 4.3 U |
| Aldrin | 2.1 U | 2.2 U |
| Alpha Chlordane | 5.8 | 2.2 U |
| Dieldrin | 0.67 J | 4.3 U |
| Endosulfan I | 2.1 U | 2.2 U |
| Endosulfan II | 4.1 U | 4.3 U |
| Endosulfan sulfate | 4.1 U | 4.3 U |
| Endrin | 4.1 U | 4.3 U |
| Endrin aldehyde | 4.1 U | 4.3 U |
| Endrin ketone | 4.1 U | 4.3 U |
| Gamma Chlordane | 5.1 J | 2.2 U |
| Heptachlor | 2.1 U | 2.2 U |
| Heptachlor epoxide | 2.1 U | 2.2 U |
| Methoxychlor | 21 U | 22 U |
| Toxaphene | 210 U | 220 U |
| alpha-BHC | 0.62 U | 0.65 U |
| beta-BHC | 0.62 U | 0.65 U |
| delta-BHC | 0.62 U | 0.65 U |
| gamma-BHC (Lindane) | 2.1 U | 2.2 U |
| Total Pesticides | 11.57 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T3-S1 - 3325 Barber Street
Method 8151A Herbicide Data

| Sample ID | DAS-T3-S1-0-0 5FT | DAS-T3-S1-3-6FT |
|-------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 2,4,5-T | 10 U | 11 U |
| 2,4,5-TP (Silvex) | 10 U | 11 U |
| 2,4-D | 10 U | 11 U |
| 2,4-DB | 10 U | 11 U |
| Dalapon | 81 U | 83 U |
| Dicamba | 1.6 J | 26 U |
| Dichloroprop | 120 U | 130 U |
| Dinoseb | 120 UJ | 130 UJ |
| MCPA | 2400 U | 2600 U |
| MCPP | 2400 U | 2600 U |
| Pentachlorophenol | 1.5 J | 2.3 J |
| Total Herbicides | 3.1 | 2.3 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T3-S1 - 3325 Barber Street
Method 6010B/7471A/9010B Metals Data

| | Sample ID | DAS-T3-S1-0-0.5FT | DAS-T3-S1-3-6FT |
|--|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | mg/kg dw | mg/kg dw |
| Compound | | | |
| Aluminum | 5500 | 5700 | |
| Antimony | 2.5 UJ | 2.6 UJ | |
| Arsenic | 6.4 | 5.7 | |
| Barium | 140 | 200 | |
| Beryllium | 0.41 J | 0.42 J | |
| Cadmium | 2.0 | 0.24 J | |
| Calcium | 15000 J | 19000 J | |
| Chromium | 20 | 10 | |
| Cobalt | 5.4 | 5.7 | |
| Copper | 70 | 12 | |
| Cyanide, Total | 0.62 U | 0.65 U | |
| Iron | 12000 J | 12000 | |
| Lead | 53 J | 8.9 | |
| Magnesium | 5300 | 7200 | |
| Manganese | .400 | 270 | |
| Mercury | 0.050 J | 0.023 | |
| Molybdenum | 0.37 J | 0.42 J | |
| Nickel | 16 | 16 | |
| Potassium | 1300 | 1300 | |
| Selenium | 1.2 U | 1.3 U | |
| Silver | 0.35 J | 1.3 U | |
| Sodium | 120 U | 160 | |
| Thallium | 0.90 J | 1.3 U | |
| Vanadium | 23 | 18 | |
| Zinc | 220 J | 41 J | |
| NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis. | | | |
| EB - Equipment Blank, FD - Field Duplicate | | | |
| DAS - Developed Area Soil Sample | | | |
| Date Printed: 08/25/00 15:18:33 | | | |
| DBF File: N:\10040\2550\TEMPDATA.DBF | | | |
| EXP File: N:\10040\2550\TABLEPRS.FXP | | | |
| Page 1 of 1 | | | |
| File Number: 10040 25501 | | | |



Solutia
Saugat Area 1
DAS-T3-S1 - 3325 Barber Street
Method 8280A PCDD/PCDF Data

| Sample ID | DAS-T3-S1-0-0 5FT |
|-----------------------------|-------------------|
| Sample Date | 04/19/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 2.4 |
| 1,2,3,4,6,7,8,9-OCDF | 0.18 |
| 1,2,3,4,6,7,8-HxCDD | 0.16 |
| 1,2,3,4,6,7,8-HxCDF | 0.08 |
| 1,2,3,4,7,8,9-HxCDF | 0.02 U |
| 1,2,3,4,7,8-HxCDD | 0.02 U |
| 1,2,3,6,7,8-HxCDF | 0.02 U |
| 1,2,3,7,8,9-HxCDD | 0.02 U |
| 1,2,3,7,8,9-HxCDF | 0.02 U |
| 1,2,3,7,8-PeCDD | 0.04 U |
| 1,2,3,7,8-PeCDF | 0.02 U |
| 2,3,4,6,7,8-HxCDF | 0.02 U |
| 2,3,4,7,8-PeCDF | 0.02 U |
| 2,3,7,8-TCDD | 0.02 U |
| 2,3,7,8-TCDF | 0.02 U |
| 1998 Total TEQ w/EMPC as ND | 0.007658 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



**Solutia
Sauget Area 1
DAS-T3-S2 - 61 David Street
Method 8260B Volatile Organic Compound Data**

| Compound | Sample ID | DAS-T3-S2-0-0.5FT | DAS-T3-S2-3-6FT |
|--------------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| 1,1,1-Trichloroethane | | 5.8 U | 5.9 U |
| 1,1,2,2-Tetrachloroethane | | 5.8 U | 5.9 U |
| 1,1,2-Trichloroethane | | 5.8 U | 5.9 U |
| 1,1-Dichloroethane | | 5.8 U | 5.9 U |
| 1,1-Dichloroethene | | 5.4 U | 5.4 U |
| 1,2-Dichloroethane | | 5.8 U | 5.9 U |
| 1,2-Dichloropropane | | 5.8 U | 5.9 U |
| 2-Butanone (MEK) | | 29 U | 30 U |
| 2-Hexanone | | 29 U | 30 U |
| 4-Methyl-2-pentanone (MIBK) | | 29 U | 30 U |
| Acetone | | 58 U | 59 U |
| Benzene | | 5.8 U | 5.9 U |
| Bromodichloromethane | | 5.8 U | 5.9 U |
| Bromoform | | 5.8 U | 5.9 U |
| Bromomethane | | 12 U | 12 U |
| Carbon disulfide | | 5.8 U | 5.9 U |
| Carbon tetrachloride | | 5.8 U | 5.9 U |
| Chlorobenzene | | 5.8 U | 5.9 U |
| Chloroethane | | 12 U | 12 U |
| Chloroform | | 5.8 U | 5.9 U |
| Chloromethane | | 12 U | 12 U |
| Cis/Trans-1,2-Dichloroethene | | 5.8 U | 5.9 U |
| Dibromochloromethane | | 5.8 U | 5.9 U |
| Ethylbenzene | | 5.8 U | 5.9 U |
| Methylene chloride (Dichloromethane) | | 5.8 U | 5.9 U |
| Styrene | | 5.8 U | 5.9 U |
| Tetrachloroethene | | 5.8 U | 5.9 U |
| Toluene | | 5.8 U | 5.9 U |
| Trichloroethene | | 5.8 U | 5.9 U |
| Vinyl chloride | | 12 U | 12 U |
| Xylenes, Total | | 5.8 U | 5.9 U |
| cis-1,3-Dichloropropene | | 4.7 U | 4.7 U |
| trans-1,3-Dichloropropene | | 4.7 U | 4.7 U |
| Total VOCs | | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T3-S2 - 61 David Street
Method 8270C Semivolatile Organic Compound Data**

| Sample ID | DAS-T3-S2-0-0.5FT | DAS-T3-S2-3-6FT |
|-------------------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 1,2,4-Trichlorobenzene | 200 U | 190 U |
| 1,2-Dichlorobenzene | 200 U | 190 U |
| 1,3-Dichlorobenzene | 200 U | 190 U |
| 1,4-Dichlorobenzene | 200 U | 190 U |
| 2,2'-Oxybis(1-Chloropropane) | 200 U | 190 U |
| 2,4,5-Trichlorophenol | 200 U | 190 U |
| 2,4,6-Trichlorophenol | 200 U | 190 U |
| 2,4-Dichlorophenol | 200 U | 190 U |
| 2,4-Dinitrophenol | 1000 U | 940 U |
| 2,4-Dinitrotoluene | 200 U | 190 U |
| 2,6-Dinitrotoluene | 200 U | 190 U |
| 2-Chloronaphthalene | 200 U | 190 U |
| 2-Chlorophenol | 200 U | 190 U |
| 2-Methylnaphthalene | 200 U | 190 U |
| 2-Methylphenol (o-cresol) | 200 U | 190 U |
| 2-Nitroaniline | 1000 U | 940 U |
| 2-Nitrophenol | 200 U | 190 U |
| 3,3'-Dichlorobenzidine | 390 U | 360 U |
| 3-Methylphenol/4-Methylphenol | 200 U | 190 U |
| 3-Nitroaniline | 1000 U | 940 U |
| 4,6-Dinitro-2-methylphenol | 1000 U | 940 U |
| 4-Bromophenylphenyl ether | 200 U | 190 U |
| 4-Chloro-3-methylphenol | 200 U | 190 U |
| 4-Chloroaniline | 390 U | 360 U |
| 4-Chlorophenylphenyl ether | 200 U | 190 U |
| 4-Nitroaniline | 1000 U | 940 U |
| 4-Nitrophenol | 1000 U | 940 U |
| Acenaphthene | 200 U | 190 U |
| Acenaphthylene | 200 U | 190 U |
| Anthracene | 200 U | 190 U |
| Benzo(a)anthracene | 35 J | 190 U |
| Benzo(a)pyrene | 43 J | 100 U |
| Benzo(b)fluoranthene | 45 J | 190 U |
| Benzo(g,h,i)perylene | 38 J | 70 J |
| Benzo(k)fluoranthene | 38 J | 190 U |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T3-S2 - 61 David Street
Method 8270C Semivolatile Organic Compound Data**

| | Sample ID | DAS-T3-S2-0-0.5FT | DAS-T3-S2-3-6FT |
|----------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Butylbenzylphthalate | 200 U | 190 U | |
| Carbazole | 200 U | 190 U | |
| Chrysene | 46 J | 190 U | |
| Di-n-butylphthalate | 200 U | 190 U | |
| Di-n-octylphthalate | 200 U | 190 U | |
| Dibenzo(a,h)anthracene | 110 U | 100 U | |
| Dibenzofuran | 200 U | 190 U | |
| Diethylphthalate | 200 U | 190 U | |
| Dimethylphthalate | 200 U | 190 U | |
| Fluoranthene | 86 J | 190 U | |
| Fluorene | 200 U | 190 U | |
| Hexachlorobenzene | 83 U | 78 U | |
| Hexachlorobutadiene | 200 U | 190 U | |
| Hexachlorocyclopentadiene | 200 U | 190 U | |
| Hexachloroethane | 200 U | 190 U | |
| Indeno(1,2,3-cd)pyrene | 200 U | 190 U | |
| Isophorone | 200 U | 190 U | |
| N-Nitroso-di-n-propylamine | 200 U | 190 U | |
| N-Nitrosodiphenylamine | 200 U | 190 U | |
| Naphthalene | 200 U | 190 U | |
| Nitrobenzene | 200 U | 190 U | |
| Pentachlorophenol | 1000 U | 940 U | |
| Phenanthrene | 24 J | 190 U | |
| Phenol | 200 U | 190 U | |
| Pyrene | 200 U | 190 U | |
| bis(2-Chloroethoxy)methane | 200 U | 190 U | |
| bis(2-Chloroethyl)ether | 200 U | 190 U | |
| bis(2-Ethylhexyl)phthalate | 120 J | 57 J | |
| Total Semivolatiles | 475 | 127 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T3-S2 - 61 David Street
Method 680 Polychlorinated Biphenyl Data

| Sample ID | DAS-T3-S2-0-0.5FT | DAS-T3-S2-3-6FT |
|---------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Decachlorobiphenyl | 13 J | 18 U |
| Dichlorobiphenyl | 3.9 U | 3.7 U |
| Heptachlorobiphenyl | 12 U | 11 U |
| Hexachlorobiphenyl | 8.0 U | 7.4 U |
| Monochlorobiphenyl | 3.9 U | 3.7 U |
| Nonachlorobiphenyl | 20 U | 18 U |
| Octachlorobiphenyl | 12 U | 11 U |
| Pentachlorobiphenyl | 8.0 U | 7.4 U |
| Tetrachlorobiphenyl | 8.0 U | 7.4 U |
| Trichlorobiphenyl | 3.9 U | 3.7 U |
| Total PCBs | 13 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
DAS-T3-S2 - 61 David Street
Method 8081A Pesticide Data**

| | Sample ID | DAS-T3-S2-0.5FT | DAS-T3-S2-3-6FT |
|---------------------|-------------|-----------------|-----------------|
| Compound | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| 4,4'-DDD | | 3.9 U | 3.7 U |
| 4,4'-DDE | | 1.7 J | 3.7 U |
| 4,4'-DDT | | 1.8 J | 3.7 U |
| Aldrin | | 2.0 U | 1.9 U |
| Alpha Chlordane | | 1.2 J | 1.9 U |
| Dieldrin | | 0.99 J | 3.7 U |
| Endosulfan I | | 2.0 U | 1.9 U |
| Endosulfan II | | 3.9 U | 3.7 U |
| Endosulfan sulfate | | 3.9 U | 3.7 U |
| Endrin | | 3.9 U | 3.7 U |
| Endrin aldehyde | | 3.9 U | 3.7 U |
| Endrin ketone | | 3.9 U | 3.7 U |
| Gamma Chlordane | | 2.0 U | 1.9 U |
| Heptachlor | | 2.0 U | 1.9 U |
| Heptachlor epoxide | | 2.0 U | 1.9 U |
| Methoxychlor | | 20 U | 19 U |
| Toxaphene | | 200 U | 190 U |
| alpha-BHC | | 0.60 U | 0.56 U |
| beta-BHC | | 0.60 U | 0.56 U |
| delta-BHC | | 0.60 U | 0.56 U |
| gamma-BHC (Lindane) | | 2.0 U | 1.9 U |
| Total Pesticides | | 5.69 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T3-S2 - 61 David Street
Method 8151A Herbicide Data

| | Sample ID | DAS-T3-S2-0-0.5FT | DAS-T3-S2-3-6FT |
|-------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 2,4,5-T | 9.8 U | 9.2 U | |
| 2,4,5-TP (Silvex) | 9.8 U | 9.2 U | |
| 2,4-D | 9.8 U | 9.2 U | |
| 2,4-DB | 9.8 U | 9.2 U | |
| Dalapon | 78 U | 72 U | |
| Dicamba | 24 U | 22 U | |
| Dichloroprop | 120 U | 110 U | |
| Dinoceb | 120 UJ | 110 UJ | |
| MCPA | 2400 U | 2200 U | |
| MCPP | 2400 U | 2200 U | |
| Pentachlorophenol | 20 U | 1.7 J | |
| Total Herbicides | ND | 1.7 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T3-S2 - 61 David Street
Method 6010B/7471A/9010B Metals Data

| | Sample ID | DAS-T3-S2-0-0 5FT | DAS-T3-S2-3-6FT |
|-----------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | mg/kg dw | mg/kg dw |
| Compound | | | |
| Aluminum | 8500 | 3300 | |
| Antimony | 2.4 UJ | 2.2 UJ | |
| Arsenic | 9.7 | 3.6 | |
| Barium | 200 | 170 | |
| Beryllium | 0.59 | 0.23 J | |
| Cadmium | 2.2 | 0.15 J | |
| Calcium | 12000 J | 13000 J | |
| Chromium | 15 | 6.8 | |
| Cobalt | 7.1 | 4.1 | |
| Copper | 72 | 4.4 | |
| Cyanide, Total | 0.60 U | 0.56 U | |
| Iron | 16000 J | 8500 | |
| Lead | 90 J | 5.5 | |
| Magnesium | 5600 | 5000 | |
| Manganese | 420 | 180 | |
| Mercury | 0.055 J | 0.0080 J | |
| Molybdenum | 0.61 J | 0.30 J | |
| Nickel | 23 | 10 | |
| Potassium | 2100 | 720 | |
| Selenium | 1.2 U | 1.1 U | |
| Silver | 0.26 J | 1.1 U | |
| Sodium | 150 U | 120 | |
| Thallium | 1.4 | 1.1 U | |
| Vanadium | 25 | 13 | |
| Zinc | 240 J | 26 J | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T3-S2 - 61 David Street
Method 8280A PCDD/PCDF Data

| | |
|------------------------------|-------------------|
| Sample ID | DAS-T3-S2-0-0.5FT |
| Sample Date | 04/19/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 3.7 |
| 1,2,3,4,6,7,8,9-OCDF | 0.16 |
| 1,2,3,4,6,7,8-HxCDD | 0.19 |
| 1,2,3,4,6,7,8-HxCDF | 0.08 |
| 1,2,3,4,7,8-HxCDF | 0.03 U |
| 1,2,3,4,7,8-HxCDD | 0.02 U |
| 1,2,3,4,7,8-HxCDF | 0.02 U |
| 1,2,3,6,7,8-HxCDD | 0.02 U |
| 1,2,3,6,7,8-HxCDF | 0.03 U |
| 1,2,3,7,8,9-HxCDD | 0.02 U |
| 1,2,3,7,8,9-HxCDF | 0.02 U |
| 1,2,3,7,8-PeCDD | 0.03 U |
| 1,2,3,7,8-PeCDF | 0.02 U |
| 2,3,4,6,7,8-HxCDF | 0.03 U |
| 2,3,4,7,8-PeCDF | 0.02 U |
| 2,3,7,8-TCDD | 0.02 U |
| 2,3,7,8-TCDF | 0.02 U |
| 1998 Total TEQ w/ EMPC as ND | 0.008586 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



Solutia
Sauget Area 1
DAS-T3-S3 - 19 David Street
Method 8260B Volatile Organic Compound Data

| Compound | Sample ID DAS-T3-S3-0-0.5FT | DAS-T3-S3-3-6FT |
|--------------------------------------|--------------------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| 1,1,1-Trichloroethane | 5.7 U | 6.0 U |
| 1,1,2,2-Tetrachloroethane | 5.7 U | 6.0 U |
| 1,1,2-Trichloroethane | 5.7 U | 6.0 U |
| 1,1-Dichloroethane | 5.7 U | 6.0 U |
| 1,1-Dichloroethene | 5.3 U | 5.6 U |
| 1,2-Dichloroethane | 5.7 U | 6.0 U |
| 1,2-Dichloropropane | 5.7 U | 6.0 U |
| 2-Butanone (MEK) | 29 U | 30 U |
| 2-Hexanone | 29 U | 30 U |
| 4-Methyl-2-pentanone (MIBK) | 29 U | 30 U |
| Acetone | 5.7 U | 6.0 U |
| Benzene | 5.7 U | 6.0 U |
| Bromodichloromethane | 5.7 U | 6.0 U |
| Bromoform | 5.7 U | 6.0 U |
| Bromomethane | 11 U | 12 U |
| Carbon disulfide | 5.7 U | 6.0 U |
| Carbon tetrachloride | 5.7 U | 6.0 U |
| Chlorobenzene | 5.7 U | 6.0 U |
| Chloroethane | 11 U | 12 U |
| Chloroform | 5.7 U | 6.0 U |
| Chloromethane | 11 U | 12 U |
| Cis/Trans-1,2-Dichloroethene | 5.7 U | 6.0 U |
| Dibromochloromethane | 5.7 U | 6.0 U |
| Ethylbenzene | 5.7 U | 6.0 U |
| Methylene chloride (Dichloromethane) | 5.7 U | 6.0 U |
| Styrene | 5.7 U | 6.0 U |
| Tetrachloroethene | 5.7 U | 6.0 U |
| Toluene | 5.7 U | 6.0 U |
| Trichloroethene | 5.7 U | 6.0 U |
| Vinyl chloride | 11 U | 12 U |
| Xylenes, Total | 5.7 U | 6.0 U |
| cis-1,3-Dichloropropene | 4.6 U | 4.8 U |
| trans-1,3-Dichloropropene | 4.6 U | 4.8 U |
| Total VOCs | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T3-S3 - 19 David Street
Method 8270C Semivolatile Organic Compound Data

| | Sample ID | DAS-T3-S3-0-0.5FT | DAS-T3-S3-3-6FT |
|-------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,2,4-Trichlorobenzene | 190 U | 210 U | |
| 1,2-Dichlorobenzene | 190 U | 210 U | |
| 1,3-Dichlorobenzene | 190 U | 210 U | |
| 1,4-Dichlorobenzene | 190 U | 210 U | |
| 2,2'-Oxybis(1-Chloropropane) | 190 U | 210 U | |
| 2,4,5-Trichlorophenol | 190 U | 210 U | |
| 2,4,6-Trichlorophenol | 190 U | 210 U | |
| 2,4-Dichlorophenol | 190 U | 210 U | |
| 2,4-Dinitrophenol | 970 U | 1000 U | |
| 2,4-Dinitrotoluene | 190 U | 210 U | |
| 2,6-Dinitrotoluene | 190 U | 210 U | |
| 2-Chloronaphthalene | 190 U | 210 U | |
| 2-Chlorophenol | 190 U | 210 U | |
| 2-Methylnaphthalene | 190 U | 210 U | |
| 2-Methylphenol (o-cresol) | 190 U | 210 U | |
| 2-Nitroaniline | 970 U | 1000 U | |
| 2-Nitrophenol | 190 U | 210 U | |
| 3,3'-Dichlorobenzidine | 380 U | 410 U | |
| 3-Methylphenol/4-Methylphenol | 190 U | 210 U | |
| 3-Nitroaniline | 970 U | 1000 U | |
| 4,6-Dinitro-2-methylphenol | 970 U | 1000 U | |
| 4-Bromophenylphenyl ether | 190 U | 210 U | |
| 4-Chloro-3-methylphenol | 190 U | 210 U | |
| 4-Chloroaniline | 380 U | 410 U | |
| 4-Chlorophenylphenyl ether | 190 U | 210 U | |
| 4-Nitroaniline | 970 U | 1000 U | |
| 4-Nitrophenol | 970 U | 1000 U | |
| Acenaphthene | 190 U | 210 U | |
| Acenaphthylene | 190 U | 210 U | |
| Anthracene | 26 J | 210 U | |
| Benzo(a)anthracene | 79 J | 210 U | |
| Benzo(a)pyrene | 80 J | 110 U | |
| Benzo(b)fluoranthene | 84 J | 210 U | |
| Benzo(g,h,i)perylene | 60 J | 77 J | |
| Benzo(k)fluoranthene | 61 J | 210 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



**Solutia
Saugat Area 1
DAS-T3-S3 - 19 David Street
Method 8270C Semivolatile Organic Compound Data**

| Sample ID | DAS-T3-S3-0-0.5FT | DAS-T3-S3-3-6FT |
|----------------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Butylbenzylphthalate | 190 U | 210 U |
| Carbazole | 190 U | 210 U |
| Chrysene | 100 J | 210 U |
| Di-n-butylphthalate | 190 U | 210 U |
| Di-n-octylphthalate | 190 U | 210 U |
| Dibenzo(a,h)anthracene | 100 U | 110 U |
| Dibenzofuran | 190 U | 210 U |
| Diethylphthalate | 190 U | 210 U |
| Dimethylphthalate | 190 U | 210 U |
| Fluoranthene | 190 J | 210 U |
| Fluorene | 190 U | 210 U |
| Hexachlorobenzene | 80 U | 86 U |
| Hexachlorobutadiene | 190 U | 210 U |
| Hexachlorocyclopentadiene | 190 U | 210 U |
| Hexachloroethane | 190 U | 210 U |
| Indeno(1,2,3-cd)pyrene | 190 U | 210 U |
| Isophorone | 190 U | 210 U |
| N-Nitroso-di-n-propylamine | 190 U | 210 U |
| N-Nitrosodiphenylamine | 190 U | 210 U |
| Naphthalene | 190 U | 210 U |
| Nitrobenzene | 190 U | 210 U |
| Pentachlorophenol | 970 U | 1000 U |
| Phenanthrene | 93 J | 210 U |
| Phenol | 190 U | 210 U |
| Pyrene | 130 J | 210 U |
| bis(2-Chloroethoxy)methane | 190 U | 210 U |
| bis(2-Chloroethyl)ether | 190 U | 210 U |
| bis(2-Ethylhexyl)phthalate | 430 | 72 J |
| Total Semivolatiles | 1333 | 149 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T3-S3 - 19 David Street
Method 680 Polychlorinated Biphenyl Data

| | Sample ID | DAS-T3-S3-0.5FT | DAS-T3-S3-3-6FT |
|---------------------|-------------|-----------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Decachlorobiphenyl | 30 | 21 U | |
| Dichlorobiphenyl | 3.8 U | 4.1 U | |
| Heptachlorobiphenyl | 11 U | 12 U | |
| Hexachlorobiphenyl | 7.7 U | 8.3 U | |
| Monochlorobiphenyl | 3.8 U | 4.1 U | |
| Nonachlorobiphenyl | 19 U | 21 U | |
| Octachlorobiphenyl | 11 U | 12 U | |
| Pentachlorobiphenyl | 7.7 U | 8.3 U | |
| Tetrachlorobiphenyl | 7.7 U | 8.3 U | |
| Trichlorobiphenyl | 3.8 U | 4.1 U | |
| Total PCBs | 30 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T3-S3 - 19 David Street
Method 8081A Pesticide Data

| | Sample ID | DAS-T3-S3-0-5FT | DAS-T3-S3-3-6FT |
|---------------------|-------------|-----------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 4,4'-DDD | 3.8 U | 4.0 U | |
| 4,4'-DDE | 0.92 J | 4.0 U | |
| 4,4'-DDT | 1.3 J | 4.0 U | |
| Aldrin | 2.0 U | 2.1 U | |
| Alpha Chlordane | 2.0 U | 2.1 U | |
| Dieldrin | 0.97 J | 4.0 U | |
| Endosulfan I | 2.0 U | 2.1 U | |
| Endosulfan II | 3.8 U | 4.0 U | |
| Endosulfan sulfate | 3.8 U | 4.0 U | |
| Endrin | 3.8 U | 4.0 U | |
| Endrin aldehyde | 3.8 U | 4.0 U | |
| Endrin ketone | 3.8 U | 4.0 U | |
| Gamma Chlordane | 1.5 J | 2.1 U | |
| Heptachlor | 2.0 U | 2.1 U | |
| Heptachlor epoxide | 2.0 U | 2.1 U | |
| Methoxychlor | 20 U | 21 U | |
| Toxaphene | 200 U | 210 U | |
| alpha-BHC | 0.57 U | 0.61 U | |
| beta-BHC | 0.57 U | 0.61 U | |
| delta-BHC | 0.57 U | 0.61 U | |
| gamma-BHC (Lindane) | 2.0 U | 2.1 U | |
| Total Pesticides | 4.69 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T3-S3 - 19 David Street
Method 8151A Herbicide Data

| | Sample ID | DAS-T3-S3-0-0.5FT | DAS-T3-S3-3-6FT |
|-------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 2,4,5-T | 9.5 U | 10 U | |
| 2,4,5-TP (Silvex) | 9.5 U | 10 U | |
| 2,4-D | 9.5 U | 10 U | |
| 2,4-DB | 9.5 U | 10 U | |
| Dalapon | 2300 U | 81 U | |
| Dicamba | 1.8 J | 24 U | |
| Dichlorprop | 115 U | 120 U | |
| Dinoseb | 115 UJ | 120 UJ | |
| MCPA | 2300 U | 2400 U | |
| MCPP | 2300 U | 2400 U | |
| Pentachlorophenol | 19 U | 21 U | |
| Total Herbicides | 1.8 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T3-S3 - 19 David Street
Method 6010B/7471A/9010B Metals Data**

| | Sample ID | DAS-T3-S3-0-0.SFT | DAS-T3-S3-3-6FT |
|----------------|-------------|-------------------|-----------------|
| Compound | Sample Date | 04/19/00 | 04/19/00 |
| | Units | mg/kg dw | mg/kg dw |
| Aluminum | | 5900 | 6100 |
| Antimony | | 2.1 UJ | 2.5 UJ |
| Arsenic | | 6.2 | 5.1 |
| Barium | | 150 | 200 |
| Beryllium | | 0.41 J | 0.42 J |
| Cadmium | | 2.5 | 0.28 J |
| Calcium | | 17000 J | 17000 J |
| Chromium | | 12 | 10 |
| Cobalt | | 5.6 | 5.6 |
| Copper | | 63 | 11 |
| Cyanide, Total | | 0.57 U | 0.62 U |
| Iron | | 12000 J | 12000 |
| Lead | | 53 J | 8.3 |
| Magnesium | | 7300 | 5900 |
| Manganese | | 360 | 350 |
| Mercury | | 0.068 J | 0.019 J |
| Molybdenum | | 0.71 J | 0.52 J |
| Nickel | | 16 | 14 |
| Potassium | | 1700 | 1400 |
| Selenium | | 1.0 U | 1.2 U |
| Silver | | 0.20 J | 1.2 U |
| Sodium | | 120 U | 160 |
| Thallium | | 0.78 J | 1.2 U |
| Vanadium | | 20 | 19 |
| Zinc | | 260 J | 38 J |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T3-S3 - 19 David Street
Method 8280A PCDD/PCDF Data

| | |
|------------------------------|-------------------|
| Sample ID | DAS-T3-S3-0-0 SFT |
| Sample Date | 04/19/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 3.4 |
| 1,2,3,4,6,7,8,9-OCDF | 0.2 |
| 1,2,3,4,6,7,8-HxCDD | 0.25 |
| 1,2,3,4,6,7,8-HxCDF | 0.08 |
| 1,2,3,4,7,8,9-HxCDF | 0.02 U |
| 1,2,3,4,7,8-HxCDD | 0.02 U |
| 1,2,3,4,7,8-HxCDF | 0.01 U |
| 1,2,3,6,7,8-HxCDD | 0.02 U |
| 1,2,3,6,7,8-HxCDF | 0.02 U |
| 1,2,3,7,8,9-HxCDD | 0.02 U |
| 1,2,3,7,8,9-HxCDF | 0.01 U |
| 1,2,3,7,8-PeCDD | 0.04 U |
| 1,2,3,7,8-PeCDF | 0.02 U |
| 2,3,4,6,7,8-HxCDF | 0.01 U |
| 2,3,4,7,8-PeCDF | 0.02 U |
| 2,3,7,8-TCDD | 0.02 U |
| 2,3,7,8-TCDF | 0.01 U |
| 1998 Total TEQ w/ EMPC as ND | 0.00766 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T4-S1 - 109 Edward Street
Method 8260B Volatile Organic Compound Data

| Sample ID | DAS-T4-S1-0-0.5FT | DAS-T4-S1-0-0.5FTFD | DAS-T4-S1-3-6FT | DAS-T4-S1-3-6FTFD |
|--------------------------------------|-------------------|---------------------|-----------------|-------------------|
| Sample Date | 04/19/00 | 04/19/00 | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | |
| 1,1,1-Trichloroethane | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| 1,1,2,2-Tetrachloroethane | 5.5 UJ | 5.6 U | 5.7 U | 6.1 U |
| 1,1,2-Trichloroethane | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| 1,1-Dichloroethane | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| 1,1-Dichloroethene | 5.1 U | 5.1 U | 5.2 U | 5.6 U |
| 1,2-Dichloroethane | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| 1,2-Dichloropropane | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| 2-Butanone (MEK) | 20 J | 29 | 28 U | 31 U |
| 2-Hexanone | 28 UJ | 28 U | 28 U | 31 U |
| 4-Methyl-2-pentanone (MIBK) | 28 U | 28 U | 28 U | 31 U |
| Acetone | 240 | 350 | 57 U | 61 U |
| Benzene | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| Bromodichloromethane | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| Bromoform | 5.5 UJ | 5.6 U | 5.7 U | 6.1 U |
| Bromomethane | 11 U | 11 U | 11 U | 12 U |
| Carbon disulfide | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| Carbon tetrachloride | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| Chlorobenzene | 5.5 UJ | 5.6 U | 5.7 U | 6.1 U |
| Chloroethane | 11 U | 11 U | 11 U | 12 U |
| Chloroform | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| Chloromethane | 11 U | 11 U | 11 U | 12 U |
| Cis/Trans-1,2-Dichloroethene | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| Dibromochloromethane | 5.5 UJ | 5.6 U | 5.7 U | 6.1 U |
| Ethylbenzene | 5.5 UJ | 5.6 U | 5.7 U | 6.1 U |
| Methylene chloride (Dichloromethane) | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| Styrene | 5.5 UJ | 5.6 U | 5.7 U | 6.1 U |
| Tetrachloroethene | 5.5 UJ | 5.6 U | 5.7 U | 6.1 U |
| Toluene | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| Trichloroethene | 5.5 U | 5.6 U | 5.7 U | 6.1 U |
| Vinyl chloride | 11 U | 11 U | 11 U | 12 U |
| Xylenes, Total | 5.5 UJ | 5.6 U | 5.7 U | 6.1 U |
| cis-1,3-Dichloropropene | 4.4 U | 4.5 U | 4.5 U | 4.9 U |
| trans-1,3-Dichloropropene | 4.4 U | 4.5 U | 4.5 U | 4.9 U |
| Total VOCs | 260 | 379 | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, **FD** - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T4-S1 - 109 Edward Street
Method 8270C Semivolatile Organic Compound Data**

| Compound | Sample ID | DAS-T4-S1-0-0.5FT | DAS-T4-S1-0.5FTFD | DAS-T4-S1-3-6FT | DAS-T4-S1-3-6FTFD |
|-------------------------------|-------------|-------------------|-------------------|-----------------|-------------------|
| | Sample Date | 04/19/00 | 04/19/00 | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw |
| 1,2,4-Trichlorobenzene | | 210 U | 200 U | 220 U | 220 U |
| 1,2-Dichlorobenzene | | 210 U | 200 U | 220 U | 220 U |
| 1,3-Dichlorobenzene | | 210 U | 200 U | 220 U | 220 U |
| 1,4-Dichlorobenzene | | 210 U | 200 U | 220 U | 220 U |
| 2,2'-Oxybis(1-Chloropropane) | | 210 U | 200 U | 220 U | 220 U |
| 2,4,5-Trichlorophenol | | 210 U | 200 U | 220 U | 220 U |
| 2,4,6-Trichlorophenol | | 210 U | 200 U | 220 U | 220 U |
| 2,4-Dichlorophenol | | 210 U | 200 U | 220 U | 220 U |
| 2,4-Dinitrophenol | | 1000 U | 1000 U | 1100 U | 1100 U |
| 2,4-Dinitrotoluene | | 210 U | 200 U | 220 U | 220 U |
| 2,6-Dinitrotoluene | | 210 U | 200 U | 220 U | 220 U |
| 2-Chloronaphthalene | | 210 U | 200 U | 220 U | 220 U |
| 2-Chlorophenol | | 210 U | 200 U | 220 U | 220 U |
| 2-Methylnaphthalene | | 210 U | 200 U | 220 U | 220 U |
| 2-Methylphenol (o-cresol) | | 210 U | 200 U | 220 U | 220 U |
| 2-Nitroaniline | | 1000 U | 1000 U | 1100 U | 1100 U |
| 2-Nitrophenol | | 210 U | 200 U | 220 U | 220 U |
| 3,3'-Dichlorobenzidine | | 400 U | 400 U | 430 U | 420 U |
| 3-Methylphenol/4-Methylphenol | | 210 U | 200 U | 220 U | 220 U |
| 3-Nitroaniline | | 1000 U | 1000 U | 1100 U | 1100 U |
| 4,6-Dinitro-2-methylphenol | | 1000 U | 1000 U | 1100 U | 1100 U |
| 4-Bromophenylphenyl ether | | 210 U | 200 U | 220 U | 220 U |
| 4-Chloro-3-methylphenol | | 210 U | 200 U | 220 U | 220 U |
| 4-Chloroaniline | | 400 U | 400 U | 430 U | 420 U |
| 4-Chlorophenylphenyl ether | | 210 U | 200 U | 220 U | 220 U |
| 4-Nitroaniline | | 1000 U | 1000 U | 1100 U | 1100 U |
| 4-Nitrophenol | | 1000 U | 1000 U | 1100 U | 1100 U |
| Acenaphthene | | 43 J | 200 U | 220 U | 220 U |
| Acenaphthylene | | 210 U | 200 U | 220 U | 220 U |
| Anthracene | | 84 J | 200 U | 220 U | 220 U |
| Benzo(a)anthracene | | 200 J | 200 U | 220 U | 220 U |
| Benzo(a)pyrene | | 160 J | 110 U | 120 U | 120 U |
| Benzo(b)fluoranthene | | 130 J | 30 J | 220 U | 220 U |
| Benzo(g,h,i)perylene | | 100 J | 200 U | 74 J | 51 J |
| Benzo(k)fluoranthene | | 140 J | 200 U | 220 U | 220 U |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia

Sauget Area 1

DAS-T4-S1 - 109 Edward Street

Method 8270C Semivolatile Organic Compound Data

| | Sample ID | DAS-T4-S1-0-0.5FT | DAS-T4-S1-0-0.5FTFD | DAS-T4-S1-3-6FT | DAS-T4-S1-3-6FTFD |
|----------------------------|-------------|-------------------|---------------------|-----------------|-------------------|
| | Sample Date | 04/19/00 | 04/19/00 | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | | |
| Butylbenzylphthalate | 210 U | 200 U | 220 U | 220 U | 220 U |
| Carbazole | 45 J | 200 U | 220 U | 220 U | 220 U |
| Chrysene | 200 J | 29 J | 220 U | 220 U | 220 U |
| Di-n-butylphthalate | 210 U | 200 U | 220 U | 220 U | 220 U |
| Di-n-octylphthalate | 210 U | 200 U | 220 U | 220 U | 220 U |
| Dibenzo(a,h)anthracene | 110 U | 110 U | 120 U | 120 U | 120 U |
| Dibenzofuran | 210 U | 200 U | 220 U | 220 U | 220 U |
| Diethylphthalate | 210 U | 200 U | 220 U | 220 U | 220 U |
| Dimethylphthalate | 210 U | 200 U | 220 U | 220 U | 220 U |
| Fluoranthene | 440 | 39 J | 220 U | 220 U | 220 U |
| Fluorene | 210 U | 200 U | 220 U | 220 U | 220 U |
| Hexachlorobenzene | 85 U | 84 U | 92 U | 90 U | 90 U |
| Hexachlorobutadiene | 210 U | 200 U | 220 U | 220 U | 220 U |
| Hexachlorocyclopentadiene | 210 U | 200 U | 220 U | 220 U | 220 U |
| Hexachloroethane | 210 U | 200 U | 220 U | 220 U | 220 U |
| Indeno(1,2,3-cd)pyrene | 89 J | 200 U | 220 U | 220 U | 220 U |
| Isophorone | 210 U | 200 U | 220 U | 220 U | 220 U |
| N-Nitroso-di-n-propylamine | 210 U | 200 U | 220 U | 220 U | 220 U |
| N-Nitrosodiphenylamine | 210 U | 200 U | 220 U | 220 U | 220 U |
| Naphthalene | 210 U | 200 U | 220 U | 220 U | 220 U |
| Nitrobenzene | 210 U | 200 U | 220 U | 220 U | 220 U |
| Pentachlorophenol | 1000 U | 1000 U | 1100 U | 1100 U | 1100 U |
| Phenanthrene | 390 | 200 U | 220 U | 220 U | 220 U |
| Phenol | 210 U | 200 U | 220 U | 220 U | 220 U |
| Pyrene | 370 | 200 U | 220 U | 220 U | 220 U |
| bis(2-Chloroethoxy)methane | 210 U | 200 U | 220 U | 220 U | 220 U |
| bis(2-Chloroethyl)ether | 210 U | 200 U | 220 U | 220 U | 220 U |
| bis(2-Ethylhexyl)phthalate | 70 J | 62 J | 63 J | 77 J | 77 J |
| Total Semivolatiles | 2461 | 160 | 137 | 128 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, **FD** - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T4-S1 - 109 Edward Street
Method 680 Polychlorinated Biphenyl Data**

| | Sample ID | DAS-T4-S1-0-0.5FT | DAS-T4-S1-0-0.5FTFD | DAS-T4-S1-3-6FT | DAS-T4-S1-3-6FTFD |
|---------------------|-------------|-------------------|---------------------|-----------------|-------------------|
| | Sample Date | 04/19/00 | 04/19/00 | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | | |
| Decachlorobiphenyl | 48 | 47 | 22 U | 22 U | |
| Dichlorobiphenyl | 4.0 U | 4.0 U | 4.3 U | 4.3 U | |
| Heptachlorobiphenyl | 12 U | 12 U | 13 U | 13 U | |
| Hexachlorobiphenyl | 8.2 U | 8.1 U | 8.8 U | 8.7 U | |
| Monochlorobiphenyl | 4.0 U | 4.0 U | 4.3 U | 4.3 U | |
| Nonachlorobiphenyl | 20 U | 20 U | 22 U | 10 J | |
| Octachlorobiphenyl | 12 U | 12 U | 13 U | 13 U | |
| Pentachlorobiphenyl | 8.2 U | 8.1 U | 8.8 U | 8.7 U | |
| Tetrachlorobiphenyl | 8.2 U | 8.1 U | 8.8 U | 8.7 U | |
| Trichlorobiphenyl | 4.0 U | 4.0 U | 4.3 U | 4.3 U | |
| Total PCBs | 48 | 47 | ND | 10 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T4-S1 - 109 Edward Street
Method 8081A Pesticide Data

| | Sample ID | DAS-T4-S1-0-0.5FT | DAS-T4-S1-0-0.5FTFD | DAS-T4-S1-3-6FT | DAS-T4-S1-3-6FTFD |
|---------------------|-------------|-------------------|---------------------|-----------------|-------------------|
| | Sample Date | 04/19/00 | 04/19/00 | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | | |
| 4,4'-DDD | 4.0 U | 4.0 UJ | 4.3 U | 4.3 U | 4.3 U |
| 4,4'-DDE | 4.0 U | 4.0 UJ | 4.3 U | 4.3 U | 4.3 U |
| 4,4'-DDT | 1.3 J | 0.65 J | 4.3 U | 4.3 U | 4.3 U |
| Aldrin | 2.1 U | 2.0 UJ | 2.2 U | 2.2 U | 2.2 U |
| Alpha Chlordane | 2.1 U | 2.0 UJ | 2.2 U | 2.2 U | 2.2 U |
| Dieldrin | 1.3 J | 1.0 J | 4.3 U | 4.3 U | 4.3 U |
| Endosulfan I | 2.1 U | 2.0 UJ | 2.2 U | 2.2 U | 2.2 U |
| Endosulfan II | 4.0 U | 4.0 UJ | 4.3 U | 4.3 U | 4.3 U |
| Endosulfan sulfate | 4.0 U | 4.0 UJ | 4.3 U | 4.3 U | 4.3 U |
| Endrin | 4.0 U | 4.0 UJ | 4.3 U | 4.3 U | 4.3 U |
| Endrin aldehyde | 4.0 U | 4.0 UJ | 4.3 U | 4.3 U | 4.3 U |
| Endrin ketone | 4.0 U | 4.0 UJ | 4.3 U | 4.3 U | 4.3 U |
| Gamma Chlordane | 2.1 U | 2.0 UJ | 2.2 U | 2.2 U | 2.2 U |
| Heptachlor | 2.1 U | 2.0 UJ | 2.2 U | 2.2 U | 2.2 U |
| Heptachlor epoxide | 2.1 U | 2.0 UJ | 2.2 U | 2.2 U | 2.2 U |
| Methoxychlor | 21 U | 20 UJ | 22 U | 22 U | 22 U |
| Toxaphene | 210 U | 200 UJ | 220 U | 220 U | 220 U |
| alpha-BHC | 0.61 U | 0.60 UJ | 0.65 U | 0.65 U | 0.65 U |
| beta-BHC | 0.61 U | 0.60 UJ | 0.65 U | 0.65 U | 0.65 U |
| delta-BHC | 0.61 U | 0.60 UJ | 0.65 U | 0.65 U | 0.65 U |
| gamma-BHC (Lindane) | 2.1 U | 2.0 UJ | 2.2 U | 2.2 U | 2.2 U |
| Total Pesticides | 2.6 | 1.65 | ND | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T4-S1 - 109 Edward Street
Method 8151A Herbicide Data

| | Sample ID | DAS-T4-S1-0-0.5FT | DAS-T4-S1-0-0.5FTFD | DAS-T4-S1-3-6FT | DAS-T4-S1-3-6FTFD |
|-------------------|-------------|-------------------|---------------------|-----------------|-------------------|
| | Sample Date | 04/19/00 | 04/19/00 | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | | |
| 2,4,5-T | 10 U | 10 U | 11 U | 11 U | 11 U |
| 2,4,5-TP (Silvex) | 10 U | 10 U | 11 U | 11 U | 11 U |
| 2,4-D | 10 U | 10 U | 11 U | 11 U | 11 U |
| 2,4-DB | 65 J | 10 U | 11 U | 11 U | 11 U |
| Dalapon | 80 U | 79 U | 85 U | 84 U | 84 U |
| Dicamba | 1.9 J | 1.6 J | 26 U | 26 U | 26 U |
| Dichloroprop | 120 U | 120 U | 130 U | 130 U | 130 U |
| Dinoseb | 120 UJ | 120 UJ | 130 UJ | 130 UJ | 130 UJ |
| MCPA | 2100 J | 2200 J | 2600 U | 2600 U | 2600 U |
| MCPP | 2400 U | 2400 U | 2600 U | 2600 U | 2600 U |
| Pentachlorophenol | 20 U | 2.2 J | 22 U | 1.7 J | 1.7 J |
| Total Herbicides | 2166.9 | 2203.8 | ND | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T4-S1 - 109 Edward Street
Method 8280A PCDD/PCDF Data

| Sample ID | DAS-T4-S1-0-0.5FT | DAS-T4-S1-0-0.5FTFD |
|------------------------------|-------------------|---------------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg | ug/kg |
| Compound | | |
| 1,2,3,4,6,7,8,9-OCDD | 2.7 J | 4.1 J |
| 1,2,3,4,6,7,8,9-OCDF | 0.29 J | 0.31 J |
| 1,2,3,4,6,7,8-HxCDD | 0.24 J | 0.38 J |
| 1,2,3,4,6,7,8-HxCDF | 0.05 UJ | 0.16 J |
| 1,2,3,4,7,8,9-HxCDF | 0.06 UJ | 0.07 UJ |
| 1,2,3,4,7,8-HxCDD | 0.04 UJ | 0.06 UJ |
| 1,2,3,4,7,8-HxCDF | 0.03 UJ | 0.04 UJ |
| 1,2,3,6,7,8-HxCDD | 0.05 UJ | 0.07 UJ |
| 1,2,3,6,7,8-HxCDF | 0.04 UJ | 0.05 UJ |
| 1,2,3,7,8,9-HxCDD | 0.05 UJ | 0.07 UJ |
| 1,2,3,7,8,9-HxCDF | 0.04 UJ | 0.05 UJ |
| 1,2,3,7,8-PeCDD | 0.1 UJ | 0.1 UJ |
| 1,2,3,7,8-PeCDF | 0.05 UJ | 0.05 UJ |
| 2,3,4,6,7,8-HxCDF | 0.04 UJ | 0.04 UJ |
| 2,3,4,7,8-PeCDF | 0.06 UJ | 0.06 UJ |
| 2,3,7,8-TCDD | 0.05 UJ | 0.05 UJ |
| 2,3,7,8-TCDF | 0.04 UJ | 0.04 UJ |
| 1998 Total TEQ w/ EMPC as ND | 0.013449 | 0.019841 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



Solutia
Sauget Area 1
DAS-T4-S2 - 117 Edward Street
Method 8260B Volatile Organic Compound Data

| | Sample ID | DAS-T4-S2-0-0.5FT | DAS-T4-S2-3-6FT |
|--------------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,1,1-Trichloroethane | 6.0 U | 6.5 U | |
| 1,1,2,2-Tetrachloroethane | 6.0 U | 6.5 U | |
| 1,1,2-Trichloroethane | 6.0 U | 6.5 U | |
| 1,1-Dichloroethane | 6.0 U | 6.5 U | |
| 1,1-Dichloroethene | 5.5 U | 6.0 U | |
| 1,2-Dichloroethane | 6.0 U | 6.5 U | |
| 1,2-Dichloropropane | 6.0 U | 6.5 U | |
| 2-Butanone (MEK) | 30 U | 32 U | |
| 2-Hexanone | 30 U | 32 U | |
| 4-Methyl-2-pentanone (MIBK) | 30 U | 32 U | |
| Acetone | 60 U | 25 J | |
| Benzene | 6.0 U | 6.5 U | |
| Bromodichloromethane | 6.0 U | 6.5 U | |
| Bromoform | 6.0 U | 6.5 U | |
| Bromomethane | 12 U | 13 U | |
| Carbon disulfide | 6.0 U | 6.5 U | |
| Carbon tetrachloride | 6.0 U | 6.5 U | |
| Chlorobenzene | 6.0 U | 6.5 U | |
| Chloroethane | 12 U | 13 U | |
| Chloroform | 6.0 U | 6.5 U | |
| Chloromethane | 12 U | 13 U | |
| Cis/Trans-1,2-Dichloroethene | 6.0 U | 6.5 U | |
| Dibromochloromethane | 6.0 U | 6.5 U | |
| Ethylbenzene | 6.0 U | 6.5 U | |
| Methylene chloride (Dichloromethane) | 6.0 U | 6.5 U | |
| Styrene | 6.0 U | 6.5 U | |
| Tetrachloroethene | 6.0 U | 6.5 U | |
| Toluene | 6.0 U | 4.8 J | |
| Trichloroethene | 6.0 U | 6.5 U | |
| Vinyl chloride | 12 U | 13 U | |
| Xylenes, Total | 6.0 U | 6.5 U | |
| cis-1,3-Dichloropropene | 4.8 U | 5.2 U | |
| trans-1,3-Dichloropropene | 4.8 U | 5.2 U | |
| Total VOCs | ND | 29.8 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T4-S2 - 117 Edward Street
Method 8270C Semivolatile Organic Compound Data

| | Sample ID | DAS-T4-S2-0-0 SFT | DAS-T4-S2-3-6FT |
|-------------------------------|-------------|-------------------|-----------------|
| Compound | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| 1,2,4-Trichlorobenzene | 210 U | 200 U | |
| 1,2-Dichlorobenzene | 210 U | 200 U | |
| 1,3-Dichlorobenzene | 210 U | 200 U | |
| 1,4-Dichlorobenzene | 210 U | 200 U | |
| 2,2'-Oxybis(1-Chloropropane) | 210 U | 200 U | |
| 2,4,5-Trichlorophenol | 210 U | 200 U | |
| 2,4,6-Trichlorophenol | 210 U | 200 U | |
| 2,4-Dichlorophenol | 210 U | 200 U | |
| 2,4-Dinitrophenol | 1000 U | 1000 U | |
| 2,4-Dinitrotoluene | 210 U | 200 U | |
| 2,6-Dinitrotoluene | 210 U | 200 U | |
| 2-Chloronaphthalene | 210 U | 200 U | |
| 2-Chlorophenol | 210 U | 200 U | |
| 2-Methylnaphthalene | 210 U | 200 U | |
| 2-Methylphenol (o-cresol) | 210 U | 200 U | |
| 2-Nitroaniline | 1000 U | 1000 U | |
| 2-Nitrophenol | 210 U | 200 U | |
| 3,3'-Dichlorobenzidine | 410 U | 390 U | |
| 3-Methylphenol/4-Methylphenol | 210 U | 200 U | |
| 3-Nitroaniline | 1000 U | 1000 U | |
| 4,6-Dinitro-2-methylphenol | 1000 U | 1000 U | |
| 4-Bromophenylphenyl ether | 210 U | 200 U | |
| 4-Chloro-3-methylphenol | 210 U | 200 U | |
| 4-Chloroaniline | 410 U | 390 U | |
| 4-Chlorophenylphenyl ether | 210 U | 200 U | |
| 4-Nitroaniline | 1000 U | 1000 U | |
| 4-Nitrophenol | 1000 U | 1000 U | |
| Acenaphthene | 210 U | 200 U | |
| Acenaphthylene | 210 U | 200 U | |
| Anthracene | 210 U | 200 U | |
| Benzo(a)anthracene | 210 U | 200 U | |
| Benzo(a)pyrene | 110 U | 110 U | |
| Benzo(b)fluoranthene | 210 U | 200 U | |
| Benzo(g,h,i)perylene | 210 U | 200 U | |
| Benzo(k)fluoranthene | 210 U | 200 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T4-S2 - 117 Edward Street
Method 8270C Semivolatile Organic Compound Data

| | Sample ID | DAS-T4-S2-0-0.5FT | DAS-T4-S2-3-6FT |
|----------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Butylbenzylphthalate | 210 U | 200 U | |
| Carbazole | 210 U | 200 U | |
| Chrysene | 35 J | 200 U | |
| Di-n-butylphthalate | 210 U | 200 U | |
| Di-n-octylphthalate | 210 U | 200 U | |
| Dibenzo(a,h)anthracene | 110 U | 110 U | |
| Dibenzofuran | 210 U | 200 U | |
| Diethylphthalate | 210 U | 200 U | |
| Dimethylphthalate | 210 U | 200 U | |
| Fluoranthene | 42 J | 200 U | |
| Fluorene | 210 U | 200 U | |
| Hexachlorobenzene | 87 U | 83 U | |
| Hexachlorobutadiene | 210 U | 200 U | |
| Hexachlorocyclopentadiene | 210 U | 200 U | |
| Hexachloroethane | 210 U | 200 U | |
| Indeno(1,2,3-cd)pyrene | 210 U | 200 U | |
| Ispophorone | 210 U | 200 U | |
| N-Nitroso-di-n-propylamine | 210 U | 200 U | |
| N-Nitrosodiphenylamine | 210 U | 200 U | |
| Naphthalene | 210 U | 200 U | |
| Nitrobenzene | 210 U | 200 U | |
| Pentachlorophenol | 1000 U | 1000 U | |
| Phenanthrene | 210 U | 200 U | |
| Phenol | 210 U | 200 U | |
| Pyrene | 210 U | 200 U | |
| bis(2-Chloroethoxy)methane | 210 U | 200 U | |
| bis(2-Chloroethyl)ether | 210 U | 200 U | |
| bis(2-Ethylhexyl)phthalate | 210 U | 200 U | |
| Total Semivolatiles | 77 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T4-S2 - 117 Edward Street
Method 680 Polychlorinated Biphenyl Data

| | Sample ID | DAS-T4-S2-0-0 SFT | DAS-T4-S2-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Decachlorobiphenyl | 33 | 20 U | |
| Dichlorobiphenyl | 4.1 U | 3.9 U | |
| Heptachlorobiphenyl | 12 U | 12 U | |
| Hexachlorobiphenyl | 8.4 U | 8.0 U | |
| Monochlorobiphenyl | 4.1 U | 3.9 U | |
| Nonachlorobiphenyl | 9.2 J | 20 U | |
| Octachlorobiphenyl | 12 U | 12 U | |
| Pentachlorobiphenyl | 8.4 U | 8.0 U | |
| Tetrachlorobiphenyl | 8.4 U | 8.0 U | |
| Trichlorobiphenyl | 4.1 U | 3.9 U | |
| Total PCBs | 42.2 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T4-S2 - 117 Edward Street
Method 8081A Pesticide Data

| Compound | Sample ID | DAS-T4-S2-0-0.5FT | DAS-T4-S2-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| 4,4'-DDD | | 4.0 U | 3.9 U |
| 4,4'-DDE | | 4.0 U | 3.9 U |
| 4,4'-DDT | | 4 U | 3.9 U |
| Aldrin | | 2.1 U | 2.0 U |
| Alpha Chlordane | | 2.1 U | 2.0 U |
| Dieldrin | | 4.0 U | 3.9 U |
| Endosulfan I | | 2.1 U | 2.0 U |
| Endosulfan II | | 4.0 U | 3.9 U |
| Endosulfan sulfate | | 0.14 J | 1.0 J |
| Endrin | | 4.0 U | 3.9 U |
| Endrin aldehyde | | 4.0 U | 3.9 U |
| Endrin ketone | | 0.17 J | 0.29 J |
| Gamma Chlordane | | 2.1 U | 2.0 U |
| Heptachlor | | 2.1 U | 2.0 U |
| Heptachlor epoxide | | 2.1 U | 2.0 U |
| Methoxychlor | | 1.5 J | 20 U |
| Toxaphene | | 210 U | 200 U |
| alpha-BHC | | 0.61 U | 0.59 U |
| beta-BHC | | 0.61 U | 0.59 U |
| delta-BHC | | 0.082 J | 0.23 J |
| gamma-BHC (Lindane) | | 2.1 U | 2.0 U |
| Total Pesticides | | 1.892 | 1.52 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T4-S2 - 117 Edward Street
Method 8151A Herbicide Data

| | Sample ID | DAS-T4-S2-0-0.5FT | DAS-T4-S2-3-6FT |
|-------------------|-------------|-------------------|-----------------|
| Compound | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| 2,4,5-T | 10 UJ | 9.9 UJ | |
| 2,4,5-TP (Silvex) | 10 UJ | 9.9 UJ | |
| 2,4-D | 10 UJ | 9.9 UJ | |
| 2,4-DB | 10 UJ | 9.9 UJ | |
| Dalapon | 81 UJ | 77 UJ | |
| Dicamba | 1.5 J | 24 UJ | |
| Dichloroprop | 120 UJ | 120 UJ | |
| Dinoseb | 120 UJ | 120 UJ | |
| MCPA | 2200 J | 2400 UJ | |
| MCPP | 2500 UJ | 2400 UJ | |
| Pentachlorophenol | 2.0 J | 20 UJ | |
| Total Herbicides | 2203.5 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia

Sauget Area 1

DAS-T4-S2 - 117 Edward Street

Method 6010B/7471A/9010B Metals Data

| | Sample ID | DAS-T4-S2-0-0 SFT | DAS-T4-S2-3-6FT |
|-----------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | mg/kg dw | mg/kg dw |
| Compound | | | |
| Aluminum | 13000 | 4100 | |
| Antimony | 0.65 J | 2.2 UJ | |
| Arsenic | 10 | 4.5 | |
| Barium | 200 | 140 | |
| Beryllium | 0.86 | 0.29 J | |
| Cadmium | 3.2 | 0.18 J | |
| Calcium | 7100 J | 11000 | |
| Chromium | 20 | 8.1 | |
| Cobalt | 8.8 | 4.7 | |
| Copper | 79 | 6.2 | |
| Cyanide, Total | 0.62 U | 0.60 U | |
| Iron | 21000 J | 9900 | |
| Lead | 96 J | 6.4 | |
| Magnesium | 4200 | 5100 | |
| Manganese | 510 | 190 | |
| Mercury | 0.11 J | 0.015 UJ | |
| Molybdenum | 1.0 J | 0.39 J | |
| Nickel | 24 | 12 | |
| Potassium | 2600 J | 880 J | |
| Selenium | 0.88 J | 1.1 U | |
| Silver | 0.29 J | 1.1 U | |
| Sodium | 74 U | 100 | |
| Thallium | 1.1 J | 1.1 U | |
| Vanadium | 35 | 15 | |
| Zinc | 310 | 30 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T4-S2 - 117 Edward Street
Method 8280A PCDD/PCDF Data

| | |
|-----------------------------|-------------------|
| Sample ID | DAS-T4-S2-0-0.5FT |
| Sample Date | 04/20/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 2.4 |
| 1,2,3,4,6,7,8,9-OCDF | 0.18 |
| 1,2,3,4,6,7,8-HxCDD | 0.17 |
| 1,2,3,4,6,7,8-HxCDF | 0.08 |
| 1,2,3,4,7,8-HxCDF | 0.01 U |
| 1,2,3,4,7,8-HxCDD | 0.01 U |
| 1,2,3,4,7,8-HxCDF | 0.01 U |
| 1,2,3,6,7,8-HxCDD | 0.02 U |
| 1,2,3,6,7,8-HxCDF | 0.01 U |
| 1,2,3,7,8,9-HxCDD | 0.02 U |
| 1,2,3,7,8,9-HxCDF | 0.01 U |
| 1,2,3,7,8-PeCDD | 0.03 U |
| 1,2,3,7,8-PeCDF | 0.01 U |
| 2,3,4,6,7,8-HxCDF | 0.01 U |
| 2,3,4,7,8-PeCDF | 0.01 U |
| 2,3,7,8-TCDD | 0.01 U |
| 2,3,7,8-TCDF | 0.01 U |
| 1998 Total TEQ w/EMPC as ND | 0.006258 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



Solutia
Saugat Area 1
DAS-T4-S3 - 125 Edward Street
Method 8260B Volatile Organic Compound Data

| | Sample ID | DAS-T4-S3-0-0.5FT | DAS-T4-S3-3-6FT |
|--------------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,1,1-Trichloroethane | 6.0 U | 6.0 U | |
| 1,1,2,2-Tetrachloroethane | 6.0 UJ | 6.0 U | |
| 1,1,2-Trichloroethane | 6.0 UJ | 6.0 U | |
| 1,1-Dichloroethane | 6.0 U | 6.0 U | |
| 1,1-Dichloroethene | 5.6 U | 5.5 U | |
| 1,2-Dichloroethane | 6.0 U | 6.0 U | |
| 1,2-Dichloropropane | 6.0 UJ | 6.0 U | |
| 2-Butanone (MEK) | 39 U | 30 U | |
| 2-Hexanone | 30 UJ | 30 U | |
| 4-Methyl-2-pentanone (MIBK) | 30 U | 30 U | |
| Acetone | 460 J | 220 | |
| Benzene | 6.0 U | 6.0 U | |
| Bromodichloromethane | 6.0 U | 6.0 U | |
| Bromoform | 6.0 UJ | 6.0 U | |
| Bromomethane | 12 U | 12 U | |
| Carbon disulfide | 6.0 U | 6.0 U | |
| Carbon tetrachloride | 6.0 U | 6.0 U | |
| Chlorobenzene | 6.0 U | 6.0 U | |
| Chloroethane | 12 U | 12 U | |
| Chloroform | 6.0 U | 6.0 U | |
| Chloromethane | 12 U | 12 U | |
| Cis/Trans-1,2-Dichloroethene | 6.0 U | 6.0 U | |
| Dibromochloromethane | 6.0 UJ | 6.0 U | |
| Ethylbenzene | 6.0 U | 6.0 U | |
| Methylene chloride (Dichloromethane) | 6.0 U | 6.0 U | |
| Styrene | 6.0 U | 6.0 U | |
| Tetrachloroethene | 6.0 U | 6.0 U | |
| Toluene | 4.5 J | 6.0 U | |
| Trichloroethene | 6.0 U | 6.0 U | |
| Vinyl chloride | 12 U | 12 U | |
| Xylenes, Total | 6.0 U | 6.0 U | |
| cis-1,3-Dichloropropene | 4.8 U | 4.8 U | |
| trans-1,3-Dichloropropene | 4.8 U | 4.8 U | |
| Total VOCs | 464.5 | 220 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T4-S3 - 125 Edward Street
Method 8270C Semivolatile Organic Compound Data

| Sample ID | DAS-T4-S3-0-0.5FT | DAS-T4-S3-3-6FT |
|-------------------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 1,2,4-Trichlorobenzene | 210 U | 220 U |
| 1,2-Dichlorobenzene | 210 U | 220 U |
| 1,3-Dichlorobenzene | 210 U | 220 U |
| 1,4-Dichlorobenzene | 210 U | 220 U |
| 2,2'-Oxybis(1-Chloropropane) | 210 U | 220 U |
| 2,4,5-Trichlorophenol | 210 U | 220 U |
| 2,4,6-Trichlorophenol | 210 U | 220 U |
| 2,4-Dichlorophenol | 210 U | 220 U |
| 2,4-Dinitrophenol | 1000 U | 1100 U |
| 2,4-Dinitrotoluene | 210 U | 220 U |
| 2,6-Dinitrotoluene | 210 U | 220 U |
| 2-Chloronaphthalene | 210 U | 220 U |
| 2-Chlorophenol | 210 U | 220 U |
| 2-Methylnaphthalene | 210 U | 220 U |
| 2-Methylphenol (o-cresol) | 210 U | 220 U |
| 2-Nitroaniline | 1000 U | 1100 U |
| 2-Nitrophenol | 210 U | 220 U |
| 3,3'-Dichlorobenzidine | 400 U | 430 U |
| 3-Methylphenol/4-Methylphenol | 210 U | 220 U |
| 3-Nitroaniline | 1000 U | 1100 U |
| 4,6-Dinitro-2-methylphenol | 1000 U | 1100 U |
| 4-Bromophenylphenyl ether | 210 U | 220 U |
| 4-Chloro-3-methylphenol | 210 U | 220 U |
| 4-Chloroaniline | 400 U | 430 U |
| 4-Chlorophenylphenyl ether | 210 U | 220 U |
| 4-Nitroaniline | 1000 U | 1100 U |
| 4-Nitrophenol | 1000 U | 1100 U |
| Acenaphthene | 210 U | 220 U |
| Acenaphthylene | 210 U | 220 U |
| Anthracene | 210 U | 220 U |
| Benzo(a)anthracene | 210 U | 220 U |
| Benzo(a)pyrene | 110 U | 120 U |
| Benzo(b)fluoranthene | 210 U | 220 U |
| Benzo(g,h,i)perylene | 210 U | 220 U |
| Benzo(k)fluoranthene | 210 U | 220 U |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T4-S3 - 125 Edward Street
Method 8270C Semivolatile Organic Compound Data**

| Sample ID | DAS-T4-S3-0-0 SFT | DAS-T4-S3-3-6FT |
|----------------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Butylbenzylphthalate | 210 UJ | 220 U |
| Carbazole | 210 U | 220 U |
| Chrysene | 210 UJ | 220 U |
| Di-n-butylphthalate | 210 U | 220 U |
| Di-n-octylphthalate | 210 U | 220 U |
| Dibenzo(a,h)anthracene | 110 U | 120 U |
| Dibenzofuran | 210 U | 220 U |
| Diethylphthalate | 210 U | 220 U |
| Dimethylphthalate | 210 U | 220 U |
| Fluoranthene | 210 U | 220 U |
| Fluorene | 210 U | 220 U |
| Hexachlorobenzene | 85 U | 91 U |
| Hexachlorobutadiene | 210 U | 220 U |
| Hexachlorocyclopentadiene | 210 U | 220 U |
| Hexachloroethane | 210 U | 220 U |
| Indeno(1,2,3-cd)pyrene | 210 U | 220 U |
| Isophorone | 210 U | 220 U |
| N-Nitroso-di-n-propylamine | 210 U | 220 U |
| N-Nitrosodiphenylamine | 210 U | 220 U |
| Naphthalene | 210 U | 220 U |
| Nitrobenzene | 210 U | 220 U |
| Pentachlorophenol | 1000 U | 1100 U |
| Phenanthrene | 210 U | 220 U |
| Phenol | 210 U | 220 U |
| Pyrene | 210 U | 220 U |
| bis(2-Chloroethoxy)methane | 210 U | 220 U |
| bis(2-Chloroethyl)ether | 210 U | 220 U |
| bis(2-Ethylhexyl)phthalate | 210 U | 220 U |
| Total Semivolatiles | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Saugat Area 1
DAS-T4-S3 - 125 Edward Street
Method 680 Polychlorinated Biphenyl Data**

| Sample ID | DAS-T4-S3-0-0.5FT | DAS-T4-S3-3-6FT |
|---------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Decachlorobiphenyl | 21 U | 22 U |
| Dichlorobiphenyl | 4.1 U | 4.3 U |
| Heptachlorobiphenyl | 12 UJ | 13 U |
| Hexachlorobiphenyl | 8.3 UJ | 8.8 U |
| Monochlorobiphenyl | 4.1 UJ | 4.3 U |
| Nonachlorobiphenyl | 21 U | 22 U |
| Octachlorobiphenyl | 12 U | 13 U |
| Pentachlorobiphenyl | 8.3 UJ | 8.8 U |
| Tetrachlorobiphenyl | 8.3 UJ | 8.8 U |
| Trichlorobiphenyl | 4.1 U | 4.3 U |
| Total PCBs | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Saugat Area 1
DAS-T4-S3 - 125 Edward Street
Method 8081A Pesticide Data**

| | Sample ID | DAS-T4-S3-0-0.5FT | DAS-T4-S3-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| Compound | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| 4,4'-DDD | | 4.0 U | 4.3 U |
| 4,4'-DDE | | 0.73 J | 4.3 U |
| 4,4'-DDT | | 4 U | 4.3 U |
| Aldrin | | 2.1 U | 2.2 U |
| Alpha Chlordane | | 2.1 U | 2.2 U |
| Dieldrin | | 4 U | 4.3 U |
| Endosulfan I | | 2.1 U | 2.2 U |
| Endosulfan II | | 4.0 U | 4.3 U |
| Endosulfan sulfate | | 0.10 J | 4.3 U |
| Endrin | | 4.0 U | 4.3 U |
| Endrin aldehyde | | 4.0 U | 4.3 U |
| Endrin ketone | | 4.0 U | 4.3 U |
| Gamma Chlordane | | 2.1 U | 2.2 U |
| Heptachlor | | 2.1 U | 2.2 U |
| Heptachlor epoxide | | 2.1 U | 2.2 U |
| Methoxychlor | | 21 U | 22 U |
| Toxaphene | | 210 U | 220 U |
| alpha-BHC | | 0.61 U | 0.65 U |
| beta-BHC | | 0.61 U | 0.65 U |
| delta-BHC | | 0.17 J | 0.12 J |
| gamma-BHC (Lindane) | | 2.1 U | 2.2 U |
| Total Pesticides | | 1 U | 0.12 U |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T4-S3 - 125 Edward Street
Method 8151A Herbicide Data

| Sample ID | DAS-T4-S3-0-0 SFT | DAS-T4-S3-3-6FT |
|-------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 2,4,5-T | 10 UJ | 11 UJ |
| 2,4,5-TP (Silvex) | 10 UJ | 11 UJ |
| 2,4-D | 10 UJ | 11 UJ |
| 2,4-DB | 10 UJ | 11 UJ |
| Dalapon | 80 UJ | 86 UJ |
| Dicamba | 25 UJ | 26 UJ |
| Dichloroprop | 120 UJ | 130 UJ |
| Dinoseb | 120 UJ | 130 UJ |
| MCPA | 3700 J | 2600 UJ |
| MCPP | 2500 UJ | 2600 UJ |
| Pentachlorophenol | 2.5 J | 22 UJ |
| Total Herbicides | 3702.5 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



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**Solutia
Sauget Area 1
DAS-T4-S3 - 125 Edward Street
Method 6010B/7471A/9010B Metals Data**

| Compound | Sample ID | DAS-T4-S3-0.5FT | DAS-T4-S3-3-6FT |
|----------------|-------------|-----------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | mg/kg dw | mg/kg dw |
| Aluminum | 14000 | 5500 | |
| Antimony | 2.5 UJ | 2.4 UJ | |
| Arsenic | 9.1 | 4.4 | |
| Barium | 180 | 130 | |
| Beryllium | 0.79 | 0.36 J | |
| Cadmium | 1.7 | 0.20 J | |
| Calcium | 11000 J | 6800 | |
| Chromium | 20 | 10 | |
| Cobalt | 10 | 5.1 | |
| Copper | 64 | 8.7 | |
| Cyanide, Total | 0.62 U | 0.66 U | |
| Iron | 21000 J | 11000 | |
| Lead | 50 J | 7.7 | |
| Magnesium | 4000 | 4700 | |
| Manganese | 610 | 280 | |
| Mercury | 0.073 J | 0.021 UJ | |
| Molybdenum | 0.85 J | 0.46 J | |
| Nickel | 23 | 14 | |
| Potassium | 2100 J | 1100 J | |
| Selenium | 1.2 U | 1.2 U | |
| Silver | 1.2 U | 1.2 U | |
| Sodium | 87 U | 99 | |
| Thallium | 1.1 J | 1.2 U | |
| Vanadium | 34 J | 17 | |
| Zinc | 180 | 36 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T4-S3 - 125 Edward Street
Method 8280A PCDD/PCDF Data

| | |
|---|-----------------|
| Sample ID | DAS-T4-S3-0.5FT |
| Sample Date | 04/20/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 8.3 |
| 1,2,3,4,6,7,8,9-OCDF | 0.16 |
| 1,2,3,4,6,7,8-HxCDD | 0.28 |
| 1,2,3,4,6,7,8-HxCDF | 0.07 |
| 1,2,3,4,7,8,9-HxCDF | 0.01 U |
| 1,2,3,4,7,8-HxCDD | 0.01 U |
| 1,2,3,4,7,8-HxCDF | 0.008 U |
| 1,2,3,6,7,8-HxCDD | 0.01 U |
| 1,2,3,6,7,8-HxCDF | 0.009 U |
| 1,2,3,7,8,9-HxCDD | 0.01 U |
| 1,2,3,7,8,9-HxCDF | 0.008 U |
| 1,2,3,7,8-PeCDD | 0.02 U |
| 1,2,3,7,8-PeCDF | 0.01 U |
| 2,3,4,6,7,8-HxCDF | 0.009 U |
| 2,3,4,7,8-PeCDF | 0.01 U |
| 2,3,7,8-TCDD | 0.01 U |
| 2,3,7,8-TCDF | 0.008 U |
| 1998 Total TEQ w/ EMPC as ND | 0.006696 |
| NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis. EB - Equipment Blank, FD - Field Duplicate | |



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Solutia
Sauget Area 1
DAS-T5-S1 - 3415 Barber Street
Method 8260B Volatile Organic Compound Data

| | Sample ID | DAS-T5-S1-0-0.5FT | DAS-T5-S1-3-6FT |
|--------------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,1,1-Trichloroethane | 5.0 U | 5.5 U | |
| 1,1,2,2-Tetrachloroethane | 5.0 UJ | 5.5 U | |
| 1,1,2-Trichloroethane | 5.0 U | 5.5 U | |
| 1,1-Dichloroethane | 5.0 U | 5.5 U | |
| 1,1-Dichloroethene | 4.6 U | 5.1 U | |
| 1,2-Dichloroethane | 5.0 U | 5.5 U | |
| 1,2-Dichloropropane | 5.0 U | 5.5 U | |
| 2-Butanone (MEK) | 20 J | 28 U | |
| 2-Hexanone | 25 UJ | 28 U | |
| 4-Methyl-2-pentanone (MIBK) | 25 U | 28 U | |
| Acetone | 160 | 55 U | |
| Benzene | 1.8 J | 5.5 U | |
| Bromodichloromethane | 5.0 U | 5.5 U | |
| Bromoform | 5.0 UJ | 5.5 U | |
| Bromomethane | 10 U | 11 U | |
| Carbon disulfide | 5.0 U | 5.5 U | |
| Carbon tetrachloride | 5.0 U | 5.5 U | |
| Chlorobenzene | 5.0 UJ | 5.5 U | |
| Chloroethane | 10 U | 11 U | |
| Chloroform | 5.0 U | 5.5 U | |
| Chloromethane | 10 U | 11 U | |
| Cis/Trans-1,2-Dichloroethene | 5.0 U | 5.5 U | |
| Dibromochloromethane | 5.0 UJ | 5.5 U | |
| Ethylbenzene | 5.0 UJ | 5.5 U | |
| Methylene chloride (Dichloromethane) | 5.0 U | 5.5 U | |
| Styrene | 5.0 UJ | 5.5 U | |
| Tetrachloroethene | 5.0 UJ | 5.5 U | |
| Toluene | 2.8 J | 5.5 U | |
| Trichloroethene | 5.0 U | 5.5 U | |
| Vinyl chloride | 10 U | 11 U | |
| Xylenes, Total | 5.0 UJ | 5.5 U | |
| cis-1,3-Dichloropropene | 4.0 U | 4.4 U | |
| trans-1,3-Dichloropropene | 4.0 U | 4.4 U | |
| Total VOCs | 184.6 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T5-S1 - 3415 Barber Street
Method 8270C Semivolatile Organic Compound Data

| | Sample ID | DAS-T5-S1-0-0.5FT | DAS-T5-S1-3-6FT |
|-------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,2,4-Trichlorobenzene | 200 U | 200 U | |
| 1,2-Dichlorobenzene | 200 U | 200 U | |
| 1,3-Dichlorobenzene | 200 U | 200 U | |
| 1,4-Dichlorobenzene | 200 U | 200 U | |
| 2,2'-Oxybis(1-Chloropropane) | 200 U | 200 U | |
| 2,4,5-Trichlorophenol | 200 U | 200 U | |
| 2,4,6-Trichlorophenol | 200 U | 200 U | |
| 2,4-Dichlorophenol | 200 U | 200 U | |
| 2,4-Dinitrophenol | 1000 U | 1000 U | |
| 2,4-Dinitrotoluene | 200 U | 200 U | |
| 2,6-Dinitrotoluene | 200 U | 200 U | |
| 2-Chloronaphthalene | 200 U | 200 U | |
| 2-Chlorophenol | 200 U | 200 U | |
| 2-Methylnaphthalene | 200 U | 200 U | |
| 2-Methylphenol (o-cresol) | 200 U | 200 U | |
| 2-Nitroaniline | 1000 U | 1000 U | |
| 2-Nitrophenol | 200 U | 200 U | |
| 3,3'-Dichlorobenzidine | 390 U | 390 U | |
| 3-Methylphenol/4-Methylphenol | 200 U | 200 U | |
| 3-Nitroaniline | 1000 U | 1000 U | |
| 4,6-Dinitro-2-methylphenol | 1000 U | 1000 U | |
| 4-Bromophenylphenyl ether | 200 U | 200 U | |
| 4-Chloro-3-methylphenol | 200 U | 200 U | |
| 4-Chloroaniline | 390 U | 390 U | |
| 4-Chlorophenylphenyl ether | 200 U | 200 U | |
| 4-Nitroaniline | 1000 U | 1000 U | |
| 4-Nitrophenol | 1000 U | 1000 U | |
| Acenaphthene | 200 U | 200 U | |
| Acenaphthylene | 34 J | 200 U | |
| Anthracene | 89 J | 200 U | |
| Benzo(a)anthracene | 460 | 200 U | |
| Benzo(a)pyrene | 600 | 110 U | |
| Benzo(b)fluoranthene | 780 | 200 U | |
| Benzo(g,h,i)perylene | 430 | 200 U | |
| Benzo(k)fluoranthene | 600 | 200 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia

Sauget Area 1

DAS-T5-S1 - 3415 Barber Street

Method 8270C Semivolatile Organic Compound Data

| | Sample ID | DAS-T5-S1-0-0 5FT | DAS-T5-S1-3-6FT |
|----------------------------|-------------|-------------------|-----------------|
| Compound | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Butylbenzylphthalate | 340 | 200 U | |
| Carbazole | 71 J | 200 U | |
| Chrysene | 710 | 200 U | |
| Di-n-butylphthalate | 35 J | 200 U | |
| Di-n-octylphthalate | 200 U | 200 U | |
| Dibenz(a,h)anthracene | 110 | 110 U | |
| Dibenzofuran | 200 U | 200 U | |
| Diethylphthalate | 200 U | 200 U | |
| Dimethylphthalate | 200 U | 200 U | |
| Fluoranthene | 1100 | 200 U | |
| Fluorene | 200 U | 200 U | |
| Hexachlorobenzene | 83 U | 83 U | |
| Hexachlorobutadiene | 200 U | 200 U | |
| Hexachlorocyclopentadiene | 200 U | 200 U | |
| Hexachloroethane | 200 U | 200 U | |
| Indeno(1,2,3-cd)pyrene | 450 | 200 U | |
| Isophorone | 200 U | 200 U | |
| N-Nitroso-di-n-propylamine | 200 U | 200 U | |
| N-Nitrosodiphenylamine | 200 U | 200 U | |
| Naphthalene | 200 U | 200 U | |
| Nitrobenzene | 200 U | 200 U | |
| Pentachlorophenol | 1000 U | 1000 U | |
| Phenanthrene | 360 | 200 U | |
| Phenol | 200 U | 200 U | |
| Pyrene | 810 | 200 U | |
| bis(2-Chloroethoxy)methane | 200 U | 200 U | |
| bis(2-Chloroethyl)ether | 200 U | 200 U | |
| bis(2-Ethylhexyl)phthalate | 180 J | 96 J | |
| Total Semivolatiles | 7159 | 96 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T5-S1 - 3415 Barber Street
Method 680 Polychlorinated Biphenyl Data**

| | Sample ID | DAS-T5-S1-0-0.5FT | DAS-T5-S1-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Decachlorobiphenyl | 20 U | 20 U | |
| Dichlorobiphenyl | 3.9 U | 3.9 U | |
| Heptachlorobiphenyl | 12 U | 12 U | |
| Hexachlorobiphenyl | 8.0 U | 8.0 U | |
| Monochlorobiphenyl | 3.9 U | 3.9 U | |
| Nonachlorobiphenyl | 20 U | 20 U | |
| Octachlorobiphenyl | 12 U | 12 U | |
| Pentachlorobiphenyl | 8.0 U | 8.0 U | |
| Tetrachlorobiphenyl | 8.0 U | 8.0 U | |
| Trichlorobiphenyl | 3.9 U | 3.9 U | |
| Total PCBs | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T5-S1 - 3415 Barber Street
Method 8081A Pesticide Data

| Sample ID | DAS-T5-S1-0-0 SFT | DAS-T5-S1-3-6FT |
|---------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 4,4'-DDD | 7.8 U | 3.9 U |
| 4,4'-DDE | 4.2 J | 3.9 U |
| 4,4'-DDT | 24 | 3.9 U |
| Aldrin | 4.0 U | 2.0 U |
| Alpha Chlordane | 54 D | 2.0 U |
| Dieldrin | 1.4 J | 3.9 U |
| Endosulfan I | 4.0 U | 2.0 U |
| Endosulfan II | 7.8 U | 3.9 U |
| Endosulfan sulfate | 7.8 U | 3.9 U |
| Endrin | 7.8 U | 3.9 U |
| Endrin aldehyde | 7.8 U | 3.9 U |
| Endrin ketone | 7.8 U | 3.9 U |
| Gamma Chlordane | 71 JD | 2.0 U |
| Heptachlor | 4.0 U | 2.0 U |
| Heptachlor epoxide | 30 J | 2.0 U |
| Methoxychlor | 40 U | 20 U |
| Toxaphene | 400 U | 200 U |
| alpha-BHC | 1.2 U | 0.59 U |
| beta-BHC | 1.2 U | 0.59 U |
| delta-BHC | 1.2 U | 0.59 U |
| gamma-BHC (Lindane) | 4.0 U | 2.0 U |
| Total Pesticides | 184.6 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T5-S1 - 3415 Barber Street
Method 8151A Herbicide Data

| | Sample ID | DAS-T5-S1-0-0 SFT | DAS-T5-S1-3-6FT |
|-------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 2,4,5-T | 9.8 U | 9.8 U | |
| 2,4,5-TP (Silvex) | 9.8 U | 9.8 U | |
| 2,4-D | 9.8 U | 9.8 U | |
| 2,4-DB | 23 J | 9.8 U | |
| Dalapon | 78 U | 78 U | |
| Dicamba | 24 U | 24 U | |
| Dichloroprop | 120 U | 120 U | |
| Dinoseb | 120 UJ | 120 UJ | |
| MCPA | 2400 U | 2400 U | |
| MCPP | 2400 U | 2400 U | |
| Pentachlorophenol | 20 U | 20 U | |
| Total Herbicides | 23 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T5-S1 - 3415 Barber Street
Method 6010B/7471A/9010B Metals Data**

| | Sample ID | DAS-T5-S1-0-0.5FT | DAS-T5-S1-3-6FT |
|-----------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | mg/kg dw | mg/kg dw |
| Compound | | | |
| Aluminum | 6200 | 5300 | |
| Antimony | 2.2 UJ | 2.4 UJ | |
| Arsenic | 5.4 | 5.4 | |
| Barium | 170 | 200 | |
| Beryllium | 0.46 | 0.40 J | |
| Cadmium | 3.1 | 0.33 J | |
| Calcium | 13000 J | 19000 J | |
| Chromium | 13 | 9.7 | |
| Cobalt | 6.1 | 5.8 | |
| Copper | 75 | 12 | |
| Cyanide, Total | 0.60 U | 0.60 U | |
| Iron | 13000 J | 12000 | |
| Lead | 130 J | 8.9 | |
| Magnesium | 4800 | 6400 | |
| Manganese | 360 | 290 | |
| Mercury | 0.097 J | 0.020 J | |
| Molybdenum | 0.78 J | 0.45 J | |
| Nickel | 19 | 15 | |
| Potassium | 1600 | 1100 | |
| Selenium | 1.1 U | 1.2 U | |
| Silver | 0.21 J | 1.2 U | |
| Sodium | 130 U | 160 | |
| Thallium | 1.1 U | 1.2 U | |
| Vanadium | 19 | 17 | |
| Zinc | 330 J | 40 J | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T5-S1 - 3415 Barber Street
Method 8280A PCDD/PCDF Data

| Sample ID | DAS-T5-S1-0-0.5FT |
|-----------------------------|-------------------|
| Sample Date | 04/19/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 2.9 |
| 1,2,3,4,6,7,8,9-OCDF | 0.16 |
| 1,2,3,4,6,7,8-HxCDD | 0.17 |
| 1,2,3,4,6,7,8-HxCDF | 0.05 |
| 1,2,3,4,7,8,9-HxCDF | 0.01 U |
| 1,2,3,4,7,8-HxCDD | 0.01 U |
| 1,2,3,4,7,8-HxCDF | 0.01 U |
| 1,2,3,6,7,8-HxCDD | 0.01 U |
| 1,2,3,6,7,8-HxCDF | 0.01 U |
| 1,2,3,7,8,9-HxCDD | 0.01 U |
| 1,2,3,7,8,9-HxCDF | 0.01 U |
| 1,2,3,7,8-PeCDD | 0.03 U |
| 1,2,3,7,8-PeCDF | 0.01 U |
| 2,3,4,6,7,8-HxCDF | 0.01 U |
| 2,3,4,7,8-PeCDF | 0.01 U |
| 2,3,7,8-TCDD | 0.02 U |
| 2,3,7,8-TCDF | 0.01 U |
| 1998 Total TEQ w/EMPC as ND | 0.005006 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



**Solutia
Saugat Area 1
DAS-T5-S2 - 3420 Barber Street
Method 8260B Volatile Organic Compound Data**

| Sample ID | DAS-T5-S2-0-0 SFT | DAS-T5-S2-3-6FT |
|--------------------------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 1,1,1-Trichloroethane | 5.6 U | 6.4 U |
| 1,1,2,2-Tetrachloroethane | 5.6 U | 6.4 U |
| 1,1,2-Trichloroethane | 5.6 U | 6.4 U |
| 1,1-Dichloroethane | 5.6 U | 6.4 U |
| 1,1-Dichloroethene | 5.2 U | 5.9 U |
| 1,2-Dichloroethane | 5.6 U | 6.4 U |
| 1,2-Dichloropropane | 5.6 U | 6.4 U |
| 2-Butanone (MEK) | 28 U | 32 U |
| 2-Hexanone | 28 U | 32 U |
| 4-Methyl-2-pentanone (MIBK) | 28 U | 32 U |
| Acetone | 56 U | 64 U |
| Benzene | 5.6 U | 6.4 U |
| Bromodichloromethane | 5.6 U | 6.4 U |
| Bromoform | 5.6 U | 6.4 U |
| Bromomethane | 11 U | 13 U |
| Carbon disulfide | 5.6 U | 6.4 U |
| Carbon tetrachloride | 5.6 U | 6.4 U |
| Chlorobenzene | 5.6 U | 6.4 U |
| Chloroethane | 11 U | 13 U |
| Chloroform | 5.6 U | 6.4 U |
| Chloromethane | 11 U | 13 U |
| Cis/Trans-1,2-Dichloroethene | 5.6 U | 6.4 U |
| Dibromochloromethane | 5.6 U | 6.4 U |
| Ethylbenzene | 5.6 U | 6.4 U |
| Methylene chloride (Dichloromethane) | 5.6 U | 6.4 U |
| Styrene | 5.6 U | 6.4 U |
| Tetrachloroethene | 5.6 U | 6.4 U |
| Toluene | 5.6 U | 6.4 U |
| Trichloroethene | 5.6 U | 6.4 U |
| Vinyl chloride | 11 U | 13 U |
| Xylenes, Total | 5.6 U | 6.4 U |
| cis-1,3-Dichloropropene | 4.5 U | 5.1 U |
| trans-1,3-Dichloropropene | 4.5 U | 5.1 U |
| Total VOCs | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia

Sauget Area 1

DAS-T5-S2 - 3420 Barber Street

Method 8270C Semivolatile Organic Compound Data

| | Sample ID | DAS-T5-S2-0-0 5FT | DAS-T5-S2-3-6FT |
|-------------------------------|-------------|-------------------|-----------------|
| Compound | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| 1,2,4-Trichlorobenzene | 200 U | 190 U | |
| 1,2-Dichlorobenzene | 200 U | 190 U | |
| 1,3-Dichlorobenzene | 200 U | 190 U | |
| 1,4-Dichlorobenzene | 200 U | 190 U | |
| 2,2'-Oxybis(1-Chloropropane) | 200 U | 190 U | |
| 2,4,5-Trichlorophenol | 200 U | 190 U | |
| 2,4,6-Trichlorophenol | 200 U | 190 U | |
| 2,4-Dichlorophenol | 200 U | 190 U | |
| 2,4-Dinitrophenol | 990 U | 930 U | |
| 2,4-Dinitrotoluene | 200 U | 190 U | |
| 2,6-Dinitrotoluene | 200 U | 190 U | |
| 2-Chloronaphthalene | 200 U | 190 U | |
| 2-Chlorophenol | 200 U | 190 U | |
| 2-Methylnaphthalene | 200 U | 190 U | |
| 2-Methylphenol (o-cresol) | 200 U | 190 U | |
| 2-Nitroaniline | 990 U | 930 U | |
| 2-Nitrophenol | 200 U | 190 U | |
| 3,3'-Dichlorobenzidine | 380 U | 360 U | |
| 3-Methylphenol/4-Methylphenol | 200 U | 190 U | |
| 3-Nitroaniline | 990 U | 930 U | |
| 4,6-Dinitro-2-methylphenol | 990 U | 930 U | |
| 4-Bromophenylphenyl ether | 200 U | 190 U | |
| 4-Chloro-3-methylphenol | 200 U | 190 U | |
| 4-Chloroaniline | 380 U | 360 U | |
| 4-Chlorophenylphenyl ether | 200 U | 190 U | |
| 4-Nitroaniline | 990 U | 930 U | |
| 4-Nitrophenol | 990 U | 930 U | |
| Acenaphthene | 200 U | 190 U | |
| Acenaphthylene | 200 U | 190 U | |
| Anthracene | 200 U | 190 U | |
| Benzo(a)anthracene | 46 J | 190 U | |
| Benzo(a)pyrene | 58 J | 99 U | |
| Benzo(b)fluoranthene | 70 J | 190 U | |
| Benzo(g,h,i)perylene | 44 J | 30 J | |
| Benzo(k)fluoranthene | 58 J | 190 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T5-S2 - 3420 Barber Street
Method 8270C Semivolatile Organic Compound Data**

| | Sample ID | DAS-T5-S2-0-0 5FT | DAS-T5-S2-3-6FT |
|----------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Butylbenzylphthalate | 200 U | 190 U | |
| Carbazole | 200 U | 190 U | |
| Chrysene | 69 J | 190 U | |
| Di-n-butylphthalate | 200 U | 190 U | |
| Di-n-octylphthalate | 200 U | 190 U | |
| Dibenzo(a,h)anthracene | 100 U | 99 U | |
| Dibenzofuran | 200 U | 190 U | |
| Diethylphthalate | 200 U | 190 U | |
| Dimethylphthalate | 200 U | 190 U | |
| Fluoranthene | 100 J | 190 U | |
| Fluorene | 200 U | 190 U | |
| Hexachlorobenzene | 82 U | 77 U | |
| Hexachlorobutadiene | 200 U | 190 U | |
| Hexachlorocyclopentadiene | 200 U | 190 U | |
| Hexachloroethane | 200 U | 190 U | |
| Indeno(1,2,3-cd)pyrene | 200 U | 190 U | |
| Isophorone | 200 U | 190 U | |
| N-Nitroso-di-n-propylamine | 200 U | 190 U | |
| N-Nitrosodiphenylamine | 200 U | 190 U | |
| Naphthalene | 200 U | 190 U | |
| Nitrobenzene | 200 U | 190 U | |
| Pentachlorophenol | 990 U | 930 U | |
| Phenanthrene | 22 J | 190 U | |
| Phenol | 200 U | 190 U | |
| Pyrene | 77 J | 190 U | |
| bis(2-Chloroethoxy)methane | 200 U | 190 U | |
| bis(2-Chloroethyl)ether | 200 U | 190 U | |
| bis(2-Ethylhexyl)phthalate | 94 J | 190 U | |
| Total Semivolatiles | 638 | 30 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample

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Solutia
Sauget Area 1
DAS-T5-S2 - 3420 Barber Street
Method 680 Polychlorinated Biphenyl Data

| | Sample ID | DAS-T5-S2-0-0 SFT | DAS-T5-S2-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Decachlorobiphenyl | 20 U | 18 U | |
| Dichlorobiphenyl | 3.9 U | 3.6 U | |
| Heptachlorobiphenyl | 12 U | 11 U | |
| Hexachlorobiphenyl | 7.9 U | 7.4 U | |
| Monochlorobiphenyl | 3.9 U | 3.6 U | |
| Nonachlorobiphenyl | 20 U | 18 U | |
| Octachlorobiphenyl | 12 U | 11 U | |
| Pentachlorobiphenyl | 7.9 U | 7.4 U | |
| Tetrachlorobiphenyl | 7.9 U | 7.4 U | |
| Trichlorobiphenyl | 3.9 U | 3.6 U | |
| Total PCBs | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T5-S2 - 3420 Barber Street
Method 8081A Pesticide Data

| | Sample ID | DAS-T5-S2-0-0.5FT | DAS-T5-S2-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 4,4'-DDD | 3.9 U | 3.6 U | |
| 4,4'-DDE | 3.9 U | 3.6 U | |
| 4,4'-DDT | 3.9 U | 3.6 U | |
| Aldrin | 2.0 U | 1.9 U | |
| Alpha Chlordane | 2.0 U | 1.9 U | |
| Dieldrin | 3.9 U | 3.6 U | |
| Endosulfan I | 2.0 U | 1.9 U | |
| Endosulfan II | 3.9 U | 3.6 U | |
| Endosulfan sulfate | 3.9 U | 3.6 U | |
| Endrin | 3.9 U | 3.6 U | |
| Endrin aldehyde | 3.9 U | 3.6 U | |
| Endrin ketone | 3.9 U | 3.6 U | |
| Gamma Chlordane | 2.0 U | 1.9 U | |
| Heptachlor | 2.0 U | 1.9 U | |
| Heptachlor epoxide | 2.0 U | 1.9 U | |
| Methoxychlor | 20 U | 19 U | |
| Toxaphene | 200 U | 190 U | |
| alpha-BHC | 0.59 U | 0.55 U | |
| beta-BHC | 0.59 U | 0.55 U | |
| delta-BHC | 0.59 U | 0.55 U | |
| gamma-BHC (Lindane) | 2.0 U | 1.9 U | |
| Total Pesticides | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, **FD** - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T5-S2 - 3420 Barber Street
Method 8151A Herbicide Data

| | Sample ID | DAS-T5-S2-0-0.5FT | DAS-T5-S2-3-6FT |
|-------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 2,4-T | 9.7 U | 9.1 U | |
| 2,4,5-TP (Silvex) | 9.7 U | 9.1 U | |
| 2,4-D | 9.7 U | 9.1 U | |
| 2,4-DB | 9.7 U | 9.1 U | |
| Dalapon | 77 U | 71 U | |
| Dicamba | 23 U | 22 U | |
| Dichloroprop | 120 U | 110 U | |
| Dinoseb | 120 UJ | 110 UJ | |
| MCPA | 2300 U | 2200 U | |
| MCPP | 2300 U | 2200 U | |
| Pentachlorophenol | 20 U | 19 U | |
| Total Herbicides | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T5-S2 - 3420 Barber Street
Method 6010B/7471A/9010B Metals Data

| | Sample ID | DAS-T5-S2-0-0.5FT | DAS-T5-S2-3-6FT |
|----------------|-------------|-------------------|-----------------|
| Compound | Sample Date | 04/19/00 | 04/19/00 |
| | Units | mg/kg dw | mg/kg dw |
| Aluminum | 6100 | 4000 | |
| Antimony | 2.1 UJ | 2.2 UJ | |
| Arsenic | 5.5 | 4.3 | |
| Barium | 150 | 180 | |
| Beryllium | 0.45 | 0.29 J | |
| Cadmium | 1.4 | 0.19 J | |
| Calcium | 11000 J | 15000 J | |
| Chromium | 11 | 7.7 | |
| Cobalt | 6.0 | 4.6 | |
| Copper | 40 | 6.3 | |
| Cyanide, Total | 0.59 U | 0.55 U | |
| Iron | 13000 J | 9800 | |
| Lead | 35 J | 6.7 | |
| Magnesium | 4500 | 5700 | |
| Manganese | 400 | 230 | |
| Mercury | 0.044 J | 0.011 J | |
| Molybdenum | 0.40 J | 0.35 J | |
| Nickel | 16 | 12 | |
| Potassium | 1600 | 930 | |
| Selenium | 1.1 U | 1.1 U | |
| Silver | 1.1 U | 1.1 U | |
| Sodium | 110 U | 120 | |
| Thallium | 1.1 U | 1.1 U | |
| Vanadium | 19 | 14 | |
| Zinc | 140 J | 31 J | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



**Solutia
Saugat Area 1
DAS-T5-S2 - 3420 Barber Street
Method 8280A PCDD/PCDF Data**

| Sample ID | DAS-T5-S2-0-0.5FT | DAS-T5-S2-3-6FT |
|------------------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg | ug/kg |
| Compound | | |
| 1,2,3,4,6,7,8,9-OCDD | 1.7 | 0.1 M |
| 1,2,3,4,6,7,8,9-OCDF | 0.13 | 0.04 U |
| 1,2,3,4,6,7,8-HxCDD | 0.09 | 0.03 U |
| 1,2,3,4,6,7,8-HxCDF | 0.04 | 0.02 U |
| 1,2,3,4,7,8-HxCDF | 0.02 U | 0.03 U |
| 1,2,3,4,7,8-HxCDD | 0.02 U | 0.02 U |
| 1,2,3,4,7,8-HxCDF | 0.01 U | 0.02 U |
| 1,2,3,6,7,8-HxCDD | 0.02 U | 0.02 U |
| 1,2,3,6,7,8-HxCDF | 0.01 U | 0.02 U |
| 1,2,3,7,8,9-HxCDD | 0.02 U | 0.02 U |
| 1,2,3,7,8,9-HxCDF | 0.01 U | 0.02 U |
| 1,2,3,7,8-PeCDD | 0.03 U | 0.06 U |
| 1,2,3,7,8-PeCDF | 0.02 U | 0.03 U |
| 2,3,4,6,7,8-HxCDF | 0.01 U | 0.02 U |
| 2,3,4,7,8-PeCDF | 0.02 U | 0.03 U |
| 2,3,7,8-TCDD | 0.02 U | 0.03 U |
| 2,3,7,8-TCDF | 0.01 U | 0.02 U |
| 1998 Total TEQ w/ EMPC as ND | 0.005483 | 0.045257 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate



Solutia
Sauget Area 1
DAS-T5-S3 - 12 School Street
Method 8260B Volatile Organic Compound Data

| | Sample ID | DAS-T5-S3-0-0.5FT | DAS-T5-S3-3.6FT |
|--------------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,1,1-Trichloroethane | 5.4 UJ | 5.8 U | |
| 1,1,2,2-Tetrachloroethane | 5.4 UJ | 5.8 U | |
| 1,1,2-Trichloroethane | 5.4 UJ | 5.8 U | |
| 1,1-Dichloroethane | 5.4 U | 5.8 U | |
| 1,1-Dichloroethene | 5.0 U | 5.3 U | |
| 1,2-Dichloroethane | 5.4 UJ | 5.8 U | |
| 1,2-Dichloropropane | 5.4 UJ | 5.8 U | |
| 2-Butanone (MEK) | 27 U | 29 U | |
| 2-Hexanone | 27 UJ | 29 U | |
| 4-Methyl-2-pentanone (MIBK) | 27 UJ | 29 U | |
| Acetone | 54 U | 58 U | |
| Benzene | 5.4 UJ | 5.8 U | |
| Bromodichloromethane | 5.4 UJ | 5.8 U | |
| Bromoform | 5.4 UJ | 5.8 U | |
| Bromomethane | 11 U | 12 U | |
| Carbon disulfide | 5.4 U | 5.8 U | |
| Carbon tetrachloride | 5.4 UJ | 5.8 U | |
| Chlorobenzene | 5.4 UJ | 5.8 U | |
| Chloroethane | 11 U | 12 U | |
| Chloroform | 5.4 U | 5.8 U | |
| Chloromethane | 11 U | 12 U | |
| Cis/Trans-1,2-Dichloroethene | 5.4 U | 5.8 U | |
| Dibromochloromethane | 5.4 UJ | 5.8 U | |
| Ethylbenzene | 5.4 UJ | 5.8 U | |
| Methylene chloride (Dichloromethane) | 5.4 U | 5.8 U | |
| Styrene | 5.4 UJ | 5.8 U | |
| Tetrachloroethene | 5.4 UJ | 5.8 U | |
| Toluene | 5.4 UJ | 5.8 U | |
| Trichloroethene | 5.4 UJ | 5.8 U | |
| Vinyl chloride | 11 U | 12 U | |
| Xylenes, Total | 5.4 UJ | 5.8 U | |
| cis-1,3-Dichloropropene | 4.3 UJ | 4.6 U | |
| trans-1,3-Dichloropropene | 4.3 UJ | 4.6 U | |
| Total VOCs | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T5-S3 - 12 School Street
Method 8270C Semivolatile Organic Compound Data

| Compound | Sample ID | DAS-T5-S3-0.5FT | DAS-T5-S3-3.6FT |
|-------------------------------|-------------|-----------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| 1,2,4-Trichlorobenzene | 180 U | 190 U | |
| 1,2-Dichlorobenzene | 180 U | 190 U | |
| 1,3-Dichlorobenzene | 180 U | 190 U | |
| 1,4-Dichlorobenzene | 180 U | 190 U | |
| 2,2'-Oxybis(1-Chloropropane) | 180 U | 190 U | |
| 2,4,5-Trichlorophenol | 180 U | 190 U | |
| 2,4,6-Trichlorophenol | 180 U | 190 U | |
| 2,4-Dichlorophenol | 180 U | 190 U | |
| 2,4-Dinitrophenol | 930 U | 940 U | |
| 2,4-Dinitrotoluene | 180 U | 190 U | |
| 2,6-Dinitrotoluene | 180 U | 190 U | |
| 2-Chloronaphthalene | 180 U | 190 U | |
| 2-Chlorophenol | 180 U | 190 U | |
| 2-Methylnaphthalene | 180 U | 190 U | |
| 2-Methylphenol (o-cresol) | 180 U | 190 U | |
| 2-Nitroaniline | 930 U | 940 U | |
| 2-Nitrophenol | 180 U | 190 U | |
| 3,3'-Dichlorobenzidine | 360 U | 360 U | |
| 3-Methylphenol/4-Methylphenol | 180 U | 190 U | |
| 3-Nitroaniline | 930 U | 940 U | |
| 4,6-Dinitro-2-methylphenol | 930 U | 940 U | |
| 4-Bromophenylphenyl ether | 180 U | 190 U | |
| 4-Chloro-3-methylphenol | 180 U | 190 U | |
| 4-Chloroaniline | 360 U | 360 U | |
| 4-Chlorophenylphenyl ether | 180 U | 190 U | |
| 4-Nitroaniline | 930 U | 940 U | |
| 4-Nitrophenol | 930 U | 940 U | |
| Acenaphthene | 180 U | 190 U | |
| Acenaphthylene | 180 U | 190 U | |
| Anthracene | 180 U | 190 U | |
| Benzo(a)anthracene | 95 J | 190 UJ | |
| Benzo(a)pyrene | 240 | 100 U | |
| Benzo(b)fluoranthene | 180 J | 190 U | |
| Benzo(g,h,i)perylene | 370 | 190 U | |
| Benzo(k)fluoranthene | 190 | 190 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T5-S3 - 12 School Street
Method 8270C Semivolatile Organic Compound Data**

| | Sample ID | DAS-T5-S3-0-0 SFT | DAS-T5-S3-3-6FT |
|----------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Butylbenzylphthalate | 180 U | 190 UJ | |
| Carbazole | 180 U | 190 U | |
| Chrysene | 140 J | 190 UJ | |
| Di-n-butylphthalate | 180 U | 190 U | |
| Di-n-octylphthalate | 180 U | 190 U | |
| Dibenzo(a,h)anthracene | 320 | 100 U | |
| Dibenzofuran | 180 U | 190 U | |
| Diethylphthalate | 180 U | 190 U | |
| Dimethylphthalate | 180 U | 190 UJ | |
| Fluoranthene | 170 J | 190 U | |
| Fluorene | 180 U | 190 U | |
| Hexachlorobenzene | 76 U | 78 U | |
| Hexachlorobutadiene | 180 U | 190 U | |
| Hexachlorocyclopentadiene | 180 U | 190 U | |
| Hexachloroethane | 180 U | 190 U | |
| Indeno(1,2,3-cd)pyrene | 350 | 190 U | |
| Iso phorone | 180 U | 190 U | |
| N-Nitroso-di-n-propylamine | 180 U | 190 U | |
| N-Nitrosodiphenylamine | 180 U | 190 UJ | |
| Naphthalene | 180 U | 190 U | |
| Nitrobenzene | 180 U | 190 U | |
| Pentachlorophenol | 930 U | 940 U | |
| Phenanthrene | 58 J | 190 U | |
| Phenol | 180 U | 190 U | |
| Pyrene | 180 J | 190 U | |
| bis(2-Chloroethoxy)methane | 180 U | 190 U | |
| bis(2-Chloroethyl)ether | 180 U | 190 U | |
| bis(2-Ethylhexyl)phthalate | 160 J | 65 J | |
| Total Semivolatiles | 2453 | 65 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T5-S3 - 12 School Street
Method 680 Polychlorinated Biphenyl Data

| Sample ID | DAS-T5-S3-0-0.5FT | DAS-T5-S3-3-6FT |
|---------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Decachlorobiphenyl | 25 J | 18 U |
| Dichlorobiphenyl | 3.6 UJ | 3.7 U |
| Heptachlorobiphenyl | 11 UJ | 11 UJ |
| Hexachlorobiphenyl | 7.4 UJ | 7.4 UJ |
| Monochlorobiphenyl | 3.6 UJ | 3.7 U |
| Nonachlorobiphenyl | 10 J | 18 U |
| Octachlorobiphenyl | 11 UJ | 11 UJ |
| Pentachlorobiphenyl | 7.4 UJ | 7.4 UJ |
| Tetrachlorobiphenyl | 7.4 UJ | 7.4 UJ |
| Trichlorobiphenyl | 3.6 UJ | 3.7 U |
| Total PCBs | 35 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T5-S3 - 12 School Street
Method 8081A Pesticide Data

| | Sample ID | DAS-T5-S3-0-0 SFT | DAS-T5-S3-3-6FT |
|-------------------------|--------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 4,4'-DDD | 36 J | 3.7 U | |
| 4,4'-DDE | 8.3 J | 3.7 U | |
| 4,4'-DDT | 110 | 3.7 U | |
| Aldrin | 23 | 1.9 U | |
| Alpha Chlordane | 9.2 J | 1.9 U | |
| Dieldrin | 120 | 3.7 U | |
| Endosulfan I | 9.3 U | 1.9 U | |
| Endosulfan II | 18 U | 3.7 U | |
| Endosulfan sulfate | 18 U | 3.7 U | |
| Endrin | 6.1 J | 3.7 U | |
| Endrin aldehyde | 18 U | 3.7 U | |
| Endrin ketone | 18 U | 3.7 U | |
| Gamma Chlordane | 78 D | 1.9 U | |
| Heptachlor | 91 D | 1.9 U | |
| Heptachlor epoxide | 9.3 U | 1.9 U | |
| Methoxychlor | 38 J | 19 U | |
| Toxaphene | 930 U | 190 U | |
| alpha-BHC | 2.7 U | 0.56 U | |
| beta-BHC | 2.7 U | 0.56 U | |
| delta-BHC | 2.7 U | 0.56 U | |
| gamma-BHC (Lindane) | 9.3 U | 1.9 U | |
| Total Pesticides | 519.6 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T5-S3 - 12 School Street
Method 8151A Herbicide Data

| Sample ID | DAS-T5-S3-0-0.5FT | DAS-T5-S3-3-6FT |
|-------------------|-------------------|-----------------|
| Sample Date | 04/19/00 | 04/19/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 2,4,5-T | 9.1 U | 9.2 U |
| 2,4,5-TP (Silvex) | 9.1 U | 9.2 U |
| 2,4-D | 9.1 U | 9.2 U |
| 2,4-DB | 18 J | 7.7 J |
| Dalapon | 72 U | 73 U |
| Dicamba | 1.3 J | 22 U |
| Dichloroprop | 110 U | 110 U |
| Dinoseb | 110 UJ | 110 UJ |
| MCPA | 2200 U | 2200 U |
| MCPP | 2200 U | 2200 U |
| Pentachlorophenol | 4.3 J | 19 U |
| Total Herbicides | 23.6 | 7.7 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Saugat Area 1
DAS-T5-S3 - 12 School Street
Method 6010B/7471A/9010B Metals Data**

| | Sample ID | DAS-T5-S3-0-0 SFT | DAS-T5-S3-3-6FT |
|-----------------|-------------|-------------------|-----------------|
| | Sample Date | 04/19/00 | 04/19/00 |
| | Units | mg/kg dw | mg/kg dw |
| Compound | | | |
| Aluminum | 5300 | 3600 | |
| Antimony | 2.2 UJ | 2.0 UJ | |
| Arsenic | 5.7 | 4.5 | |
| Barium | 170 | 160 | |
| Beryllium | 0.40 J | 0.28 J | |
| Cadmium | 5.7 | 0.34 J | |
| Calcium | 18000 J | 13000 J | |
| Chromium | 12 | 7.3 | |
| Cobalt | 5.2 | 4.6 | |
| Copper | 70 | 8.2 | |
| Cyanide, Total | 0.55 U | 0.56 U | |
| Iron | 12000 J | 9200 | |
| Lead | 130 J | 9.0 | |
| Magnesium | 4600 | 4900 | |
| Manganese | 280 | 200 | |
| Mercury | 0.089 J | 0.014 J | |
| Molybdenum | 0.58 J | 0.35 J | |
| Nickel | 14 | 12 | |
| Potassium | 1500 | 1100 | |
| Selenium | 1.1 U | 1.0 U | |
| Silver | 0.60 J | 1.0 U | |
| Sodium | 160 U | 110 | |
| Thallium | 1.1 U | 1.0 U | |
| Vanadium | 17 | 13 | |
| Zinc | 750 J | 41 J | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T5-S3 - 12 School Street
Method 8280A PCDD/PCDF Data

| | |
|------------------------------|-------------------|
| Sample ID | DAS-T5-S3-0-0.5FT |
| Sample Date | 04/19/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 10.9 |
| 1,2,3,4,6,7,8,9-OCDF | 1.3 |
| 1,2,3,4,6,7,8-HxCDD | 1.1 |
| 1,2,3,4,6,7,8-HxCDF | 0.46 |
| 1,2,3,4,7,8,9-HxCDF | 0.02 U |
| 1,2,3,4,7,8-HxCDD | 0.01 U |
| 1,2,3,4,7,8-HxCDF | 0.01 U |
| 1,2,3,6,7,8-HxCDD | 0.05 |
| 1,2,3,6,7,8-HxCDF | 0.01 U |
| 1,2,3,7,8,9-HxCDD | 0.02 U |
| 1,2,3,7,8,9-HxCDF | 0.01 U |
| 1,2,3,7,8-PeCDD | 0.04 U |
| 1,2,3,7,8-PeCDF | 0.02 U |
| 2,3,4,6,7,8-HxCDF | 0.01 U |
| 2,3,4,7,8-PeCDF | 0.02 U |
| 2,3,7,8-TCDD | 0.02 U |
| 2,3,7,8-TCDF | 0.01 U |
| 1998 Total TEQ w/ EMPC as ND | 0.02432 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T6-S1 - 100 Kinder Street
Method 8260B Volatile Organic Compound Data

| | Sample ID | DAS-T6-S1-0-0 5FT | DAS-T6-S1-3-6FT |
|--------------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,1,1-Trichloroethane | 5.6 U | 6.4 U | |
| 1,1,2,2-Tetrachloroethane | 5.6 U | 6.4 U | |
| 1,1,2-Trichloroethane | 5.6 U | 6.4 U | |
| 1,1-Dichloroethane | 5.6 U | 6.4 U | |
| 1,1-Dichloroethene | 5.2 U | 5.9 U | |
| 1,2-Dichloroethane | 5.6 U | 6.4 U | |
| 1,2-Dichloropropane | 5.6 U | 6.4 U | |
| 2-Butanone (MEK) | 32 U | 32 U | |
| 2-Hexanone | 28 U | 32 U | |
| 4-Methyl-2-pentanone (MIBK) | 28 U | 32 U | |
| Acetone | 420 | 64 U | |
| Benzene | 5.6 U | 6.4 U | |
| Bromodichloromethane | 5.6 U | 6.4 U | |
| Bromoform | 5.6 U | 6.4 U | |
| Bromomethane | 11 U | 13 U | |
| Carbon disulfide | 5.6 U | 6.4 U | |
| Carbon tetrachloride | 5.6 U | 6.4 U | |
| Chlorobenzene | 5.6 U | 6.4 U | |
| Chloroethane | 11 U | 13 U | |
| Chloroform | 5.6 U | 6.4 U | |
| Chloromethane | 11 U | 13 U | |
| Cis/Trans-1,2-Dichloroethene | 5.6 U | 6.4 U | |
| Dibromochloromethane | 5.6 U | 6.4 U | |
| Ethylbenzene | 5.6 U | 6.4 U | |
| Methylene chloride (Dichloromethane) | 5.6 U | 6.4 U | |
| Styrene | 5.6 U | 6.4 U | |
| Tetrachloroethene | 5.6 U | 6.4 U | |
| Toluene | 5.6 U | 6.4 U | |
| Trichloroethene | 5.6 U | 6.4 U | |
| Vinyl chloride | 11 U | 13 U | |
| Xylenes, Total | 5.6 U | 6.4 U | |
| cis-1,3-Dichloropropene | 4.5 U | 5.2 U | |
| trans-1,3-Dichloropropene | 4.5 U | 5.2 U | |
| Total VOCs | 420 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
DAS-T6-S1 - 100 Kinder Street
Method 8270C Semivolatile Organic Compound Data**

| | Sample ID | DAS-T6-S1-0-0 5FT | DAS-T6-S1-3-6FT |
|-------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,2,4-Trichlorobenzene | 200 U | 190 U | |
| 1,2-Dichlorobenzene | 200 U | 190 U | |
| 1,3-Dichlorobenzene | 200 U | 190 U | |
| 1,4-Dichlorobenzene | 200 U | 190 U | |
| 2,2'-Oxybis(1-Chloropropane) | 200 U | 190 U | |
| 2,4,5-Trichlorophenol | 200 U | 190 U | |
| 2,4,6-Trichlorophenol | 200 U | 190 U | |
| 2,4-Dichlorophenol | 200 U | 190 U | |
| 2,4-Dinitrophenol | 990 U | 960 U | |
| 2,4-Dinitrotoluene | 200 U | 190 U | |
| 2,6-Dinitrotoluene | 200 U | 190 U | |
| 2-Chloronaphthalene | 200 U | 190 U | |
| 2-Chlorophenol | 200 U | 190 U | |
| 2-Methylnaphthalene | 200 U | 190 U | |
| 2-Methylphenol (o-cresol) | 200 U | 190 U | |
| 2-Nitroaniline | 990 U | 960 U | |
| 2-Nitrophenol | 200 U | 190 U | |
| 3,3'-Dichlorobenzidine | 380 U | 370 U | |
| 3-Methylphenol/4-Methylphenol | 200 U | 190 U | |
| 3-Nitroaniline | 990 U | 960 U | |
| 4,6-Dinitro-2-methylphenol | 990 U | 960 U | |
| 4-Bromophenylphenyl ether | 200 U | 190 U | |
| 4-Chloro-3-methylphenol | 200 U | 190 U | |
| 4-Chloroaniline | 380 U | 370 U | |
| 4-Chlorophenylphenyl ether | 200 U | 190 U | |
| 4-Nitroaniline | 990 U | 960 U | |
| 4-Nitrophenol | 990 U | 960 U | |
| Acenaphthene | 200 U | 190 U | |
| Acenaphthylenne | 200 U | 190 U | |
| Anthracene | 200 U | 190 U | |
| Benzo(a)anthracene | 200 U | 190 U | |
| Benzo(a)pyrene | 100 U | 100 U | |
| Benzo(b)fluoranthene | 200 U | 190 U | |
| Benzo(g,h,i)perylene | 200 U | 190 U | |
| Benzo(k)fluoranthene | 200 U | 190 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T6-S1 - 100 Kinder Street
Method 8270C Semivolatile Organic Compound Data

| Sample ID | DAS-T6-S1-0-5FT | DAS-T6-S1-3-6FT |
|----------------------------|-----------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Butylbenzylphthalate | 200 U | 190 U |
| Carbazole | 200 U | 190 U |
| Chrysene | 200 U | 190 U |
| Di-n-butylphthalate | 200 U | 190 U |
| Di-n-octylphthalate | 200 U | 190 U |
| Dibenzo(a,h)anthracene | 100 U | 100 U |
| Dibenzofuran | 200 U | 190 U |
| Diethylphthalate | 200 U | 190 U |
| Dimethylphthalate | 200 U | 190 U |
| Fluoranthene | 200 U | 190 U |
| Fluorene | 200 U | 190 U |
| Hexachlorobenzene | 82 U | 79 U |
| Hexachlorobutadiene | 200 U | 190 U |
| Hexachlorocyclopentadiene | 200 U | 190 U |
| Hexachloroethane | 200 U | 190 U |
| Indeno(1,2,3-cd)pyrene | 200 U | 190 U |
| Iso phorone | 200 U | 190 U |
| N-Nitroso-di-n-propylamine | 200 U | 190 U |
| N-Nitrosodiphenylamine | 200 U | 190 U |
| Naphthalene | 200 U | 190 U |
| Nitrobenzene | 200 U | 190 U |
| Pentachlorophenol | 990 U | 960 U |
| Phenanthrene | 200 U | 190 U |
| Phenol | 200 U | 190 U |
| Pyrene | 200 U | 190 U |
| bis(2-Chloroethoxy)methane | 200 U | 190 U |
| bis(2-Chloroethyl)ether | 200 U | 190 U |
| bis(2-Ethylhexyl)phthalate | 200 U | 190 U |
| Total Semivolatiles | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Saugat Area 1
DAS-T6-S1 - 100 Kinder Street
Method 680 Polychlorinated Biphenyl Data**

| | Sample ID | DAS-T6-S1-0-0 SFT | DAS-T6-S1-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Decachlorobiphenyl | 130 | 19 U | |
| Dichlorobiphenyl | 3.9 U | 3.8 U | |
| Heptachlorobiphenyl | 12 U | 11 U | |
| Hexachlorobiphenyl | 7.9 U | 7.6 U | |
| Monochlorobiphenyl | 3.9 U | 3.8 U | |
| Nonachlorobiphenyl | 49 | 19 U | |
| Octachlorobiphenyl | 12 U | 11 U | |
| Pentachlorobiphenyl | 7.9 U | 7.6 U | |
| Tetrachlorobiphenyl | 7.9 U | 7.6 U | |
| Trichlorobiphenyl | 3.9 U | 3.8 U | |
| Total PCBs | 179 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T6-S1 - 100 Kinder Street
Method 8081A Pesticide Data

| | Sample ID | DAS-T6-S1-0-0.SFT | DAS-T6-S1-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| Compound | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| 4,4'-DDD | | 3.9 U | 3.8 U |
| 4,4'-DDE | | 0.66 J | 3.8 U |
| 4,4'-DDT | | 3.8 U | 3.8 U |
| Aldrin | | 2.0 U | 1.9 U |
| Alpha Chlordane | | 2.0 U | 1.9 U |
| Dieldrin | | 3.9 U | 3.8 U |
| Endosulfan I | | 2.0 U | 1.9 U |
| Endosulfan II | | 3.9 U | 3.8 U |
| Endosulfan sulfate | | 0.96 J | 0.58 J |
| Endrin | | 3.9 U | 3.8 U |
| Endrin aldehyde | | 3.9 U | 3.8 U |
| Endrin ketone | | 0.67 J | 3.8 U |
| Gamma Chlordane | | 2.0 U | 1.9 U |
| Heptachlor | | 2.0 U | 1.9 U |
| Heptachlor epoxide | | 0.18 J | 1.9 U |
| Methoxychlor | | 3.8 J | 19 U |
| Toxaphene | | 200 U | 190 U |
| alpha-BHC | | 0.59 U | 0.57 U |
| beta-BHC | | 0.59 U | 0.57 U |
| delta-BHC | | 2.0 U | 1.9 U |
| gamma-BHC (Lindane) | | 2.0 U | 1.9 U |
| Total Pesticides | | 6.27 | 0.58 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T6-S1 - 100 Kinder Street
Method 8151A Herbicide Data

| | Sample ID | DAS-T6-S1-0-0.5FT | DAS-T6-S1-1-6FT |
|-------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 2,4-T | 9.8 UJ | 9.4 UJ | |
| 2,4,5-TP (Silvex) | 9.8 UJ | 9.4 UJ | |
| 2,4-D | 9.8 UJ | 9.4 UJ | |
| 2,4-DB | 9.8 UJ | 9.4 UJ | |
| Dalapon | 76 UJ | 74 UJ | |
| Dicamba | 3.0 J | 23 UJ | |
| Dichloroprop | 120 UJ | 110 UJ | |
| Dinoseb | 120 UJ | 110 UJ | |
| MCPA | 2400 UJ | 2300 UJ | |
| MCPP | 2400 UJ | 2300 UJ | |
| Pentachlorophenol | 2.0 J | 19 UJ | |
| Total Herbicides | 5 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T6-S1 - 100 Kinder Street
Method 6010B/7471A/9010B Metals Data

| Compound | Sample ID | DAS-T6-S1-0-0 SFT | DAS-T6-S1-3-6FT |
|----------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | mg/kg dw | mg/kg dw |
| Aluminum | | 7100 | 5500 |
| Antimony | | 0.59 J | 2.3 UJ |
| Arsenic | | 8.0 | 6.0 |
| Barium | | 200 | 200 |
| Beryllium | | 0.55 | 0.38 J |
| Cadmium | | 4.0 | 0.59 |
| Calcium | | 9500 J | 18000 |
| Chromium | | 14 | 10 |
| Cobalt | | 6.5 | 5.3 |
| Copper | | 56 | 12 |
| Cyanide, Total | | 0.59 U | 0.57 U |
| Iron | | 15000 J | 12000 |
| Lead | | 110 J | 16 |
| Magnesium | | 4900 | 6800 |
| Manganese | | 350 | 240 |
| Mercury | | 0.071 J | 0.022 UJ |
| Molybdenum | | 0.83 J | 0.39 J |
| Nickel | | 20 | 15 |
| Potassium | | 1700 J | 1200 J |
| Selenium | | 1.2 U | 1.1 U |
| Silver | | 0.29 J | 1.1 U |
| Sodium | | 140 U | 140 |
| Thallium | | 0.73 J | 1.1 U |
| Vanadium | | 22 J | 18 |
| Zinc | | 350 | 60 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T6-S1 - 100 Kinder Street
Method 8280A PCDD/PCDF Data

| Sample ID | DAS-T6-S1-0-0 5FT | DAS-T6-S1-3-6FT |
|------------------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg | ug/kg |
| Compound | | |
| 1,2,3,4,6,7,8,9-OCDD | 5.5 | 0.19 M |
| 1,2,3,4,6,7,8,9-OCDF | 0.56 | 0.02 U |
| 1,2,3,4,6,7,8-HxCDD | 0.36 | 0.01 U |
| 1,2,3,4,6,7,8-HxCDF | 0.19 | 0.01 U |
| 1,2,3,4,7,8,9-HxCDF | 0.02 U | 0.01 U |
| 1,2,3,4,7,8-HxCDD | 0.01 U | 0.01 U |
| 1,2,3,4,7,8-HxCDF | 0.01 U | 0.007 U |
| 1,2,3,6,7,8-HxCDD | 0.02 U | 0.01 U |
| 1,2,3,6,7,8-HxCDF | 0.01 U | 0.008 U |
| 1,2,3,7,8,9-HxCDD | 0.01 U | 0.01 U |
| 1,2,3,7,8,9-HxCDF | 0.01 U | 0.008 U |
| 1,2,3,7,8-PeCDD | 0.03 U | 0.02 U |
| 1,2,3,7,8-PeCDF | 0.01 U | 0.01 U |
| 2,3,4,6,7,8-HxCDF | 0.01 U | 0.008 U |
| 2,3,4,7,8-PeCDF | 0.01 U | 0.01 U |
| 2,3,7,8-TCDD | 0.01 U | 0.01 U |
| 2,3,7,8-TCDF | 0.009 U | 0.01 U |
| 1998 Total TEQ w/ EMPC as ND | 0.009106 | 0.0151105 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



O'BRIEN & GERE
ENGINEERS, INC.

Solutia

Sauget Area 1

DAS-T6-S2 - 105 Jerome Lane

Method 8260B Volatile Organic Compound Data

| | Sample ID | DAS-T6-S2-0-0.5FT | DAS-T6-S2-3-6FT |
|--------------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,1,1-Trichloroethane | 5.3 U | 5.6 U | |
| 1,1,2,2-Tetrachloroethane | 5.3 U | 5.6 U | |
| 1,1,2-Trichloroethane | 5.3 U | 5.6 U | |
| 1,1-Dichloroethane | 5.3 U | 5.6 U | |
| 1,1-Dichloroethene | 4.8 U | 5.1 U | |
| 1,2-Dichloroethane | 5.3 U | 5.6 U | |
| 1,2-Dichloropropane | 5.3 U | 5.6 U | |
| 2-Butanone (MEK) | 26 U | 28 U | |
| 2-Hexanone | 26 U | 28 U | |
| 4-Methyl-2-pentanone (MIBK) | 26 U | 28 U | |
| Acetone | 220 | 56 U | |
| Benzene | 5.3 U | 5.6 U | |
| Bromodichloromethane | 5.3 U | 5.6 U | |
| Bromoform | 5.3 U | 5.6 U | |
| Bromomethane | 10 U | 11 U | |
| Carbon disulfide | 5.3 U | 5.6 U | |
| Carbon tetrachloride | 5.3 U | 5.6 U | |
| Chlorobenzene | 5.3 U | 5.6 U | |
| Chloroethane | 10 U | 11 U | |
| Chloroform | 5.3 U | 5.6 U | |
| Chloromethane | 10 U | 11 U | |
| Cis/Trans-1,2-Dichloroethene | 5.3 U | 5.6 U | |
| Dibromochloromethane | 5.3 U | 5.6 U | |
| Ethylbenzene | 5.3 U | 5.6 U | |
| Methylene chloride (Dichloromethane) | 5.3 U | 5.6 U | |
| Styrene | 5.3 U | 5.6 U | |
| Tetrachloroethene | 5.3 U | 5.6 U | |
| Toluene | 22 J | 5.6 U | |
| Trichloroethene | 5.3 U | 5.6 U | |
| Vinyl chloride | 10 U | 11 U | |
| Xylenes, Total | 5.3 U | 5.6 U | |
| cis-1,3-Dichloropropene | 4.2 U | 4.5 U | |
| trans-1,3-Dichloropropene | 4.2 U | 4.5 U | |
| Total VOCs | 222.2 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T6-S2 - 105 Jerome Lane
Method 8270C Semivolatile Organic Compound Data

| | Sample ID | DAS-T6-S2-0-0.5FT | DAS-T6-S2-3-6FT |
|-------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,2,4-Trichlorobenzene | 190 U | 200 U | |
| 1,2-Dichlorobenzene | 190 U | 200 U | |
| 1,3-Dichlorobenzene | 190 U | 200 U | |
| 1,4-Dichlorobenzene | 190 U | 200 U | |
| 2,2'-Oxybis(1-Chloropropane) | 190 U | 200 U | |
| 2,4,5-Trichlorophenol | 190 U | 200 U | |
| 2,4,6-Trichlorophenol | 190 U | 200 U | |
| 2,4-Dichlorophenol | 190 U | 200 U | |
| 2,4-Dinitrophenol | 950 U | 980 U | |
| 2,4-Dinitrotoluene | 190 U | 200 U | |
| 2,6-Dinitrotoluene | 190 U | 200 U | |
| 2-Chloronaphthalene | 190 U | 200 U | |
| 2-Chlorophenol | 190 U | 200 U | |
| 2-Methylnaphthalene | 190 U | 200 U | |
| 2-Methylphenol (o-cresol) | 190 U | 200 U | |
| 2-Nitroaniline | 950 U | 980 U | |
| 2-Nitrophenol | 190 U | 200 U | |
| 3,3'-Dichlorobenzidine | 370 U | 380 U | |
| 3-Methylphenol/4-Methylphenol | 190 U | 200 U | |
| 3-Nitroaniline | 950 U | 980 U | |
| 4,6-Dinitro-2-methylphenol | 950 U | 980 U | |
| 4-Bromophenylphenyl ether | 190 U | 200 U | |
| 4-Chloro-3-methylphenol | 190 U | 200 U | |
| 4-Chloroaniline | 370 U | 380 U | |
| 4-Chlorophenylphenyl ether | 190 U | 200 U | |
| 4-Nitroaniline | 950 U | 980 U | |
| 4-Nitrophenol | 950 U | 980 U | |
| Acenaphthene | 190 U | 200 U | |
| Acenaphthylene | 190 U | 200 U | |
| Anthracene | 190 U | 200 U | |
| Benzo(a)anthracene | 70 J | 200 U | |
| Benzo(a)pyrene | 78 J | 100 U | |
| Benzo(b)fluoranthene | 72 J | 200 U | |
| Benzo(g,h,i)perylene | 190 U | 200 U | |
| Benzo(k)fluoranthene | 53 J | 200 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T6-S2 - 105 Jerome Lane
Method 8270C Semivolatile Organic Compound Data

| Compound | Sample ID DAS-T6-S2-0-0.5FT | Sample ID DAS-T6-S2-3-6FT |
|----------------------------|--------------------------------|------------------------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Butylbenzylphthalate | 190 U | 200 U |
| Carbazole | 190 U | 200 U |
| Chrysene | 100 J | 200 U |
| Di-n-butylphthalate | 190 U | 200 U |
| Di-n-octylphthalate | 190 U | 200 U |
| Dibenz(a,h)anthracene | 100 U | 100 U |
| Dibenzofuran | 190 U | 200 U |
| Diethylphthalate | 190 U | 200 U |
| Dimethylphthalate | 190 U | 200 U |
| Fluoranthene | 110 J | 200 U |
| Fluorene | 190 U | 200 U |
| Hexachlorobenzene | 78 U | 80 U |
| Hexachlorobutadiene | 190 U | 200 U |
| Hexachlorocyclopentadiene | 190 U | 200 U |
| Hexachloroethane | 190 U | 200 U |
| Indeno(1,2,3-cd)pyrene | 190 U | 200 U |
| Isophorone | 190 U | 200 U |
| N-Nitroso-di-n-propylamine | 190 U | 200 U |
| N-Nitrosodiphenylamine | 190 U | 200 U |
| Naphthalene | 190 U | 200 U |
| Nitrobenzene | 190 U | 200 U |
| Pentachlorophenol | 950 U | 980 U |
| Phenanthrene | 28 J | 200 U |
| Phenol | 190 U | 200 U |
| Pyrene | 110 J | 200 U |
| bis(2-Chloroethoxy)methane | 190 U | 200 U |
| bis(2-Chloroethyl)ether | 190 U | 200 U |
| bis(2-Ethylhexyl)phthalate | 190 U | 200 U |
| Total Semivolatiles | 621 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



| Sample ID | Sample Date | Units |
|---------------|---------------|-------|
| | | |
| Compound | Concentration | |
| NOTES: | | |



Solutia
Saugat Area 1
DAS-T6-S2 - 105 Jerome Lane
Method 680 Polychlorinated Biphenyl Data

| Sample ID | DAS-T6-S2-0-0 5FT | DAS-T6-S2-3-6FT |
|---------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Decachlorobiphenyl | 11 J | 19 U |
| Dichlorobiphenyl | 3.8 UJ | 3.8 U |
| Heptachlorobiphenyl | 11 UJ | 12 U |
| Hexachlorobiphenyl | 7.6 UJ | 7.8 U |
| Monochlorobiphenyl | 3.8 UJ | 3.8 U |
| Nonachlorobiphenyl | 19 UJ | 19 U |
| Octachlorobiphenyl | 11 UJ | 12 U |
| Pentachlorobiphenyl | 7.6 UJ | 7.8 U |
| Tetrachlorobiphenyl | 7.6 UJ | 7.8 U |
| Trichlorobiphenyl | 3.8 UJ | 3.8 U |
| Total PCBs | 11 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T6-S2 - 105 Jerome Lane
Method 8081A Pesticide Data**

| | Sample ID | DAS-T6-S2-0-0.5FT | DAS-T6-S2-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| Compound | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| 4,4'-DDD | | 3.7 U | 3.8 U |
| 4,4'-DDE | | 2.0 J | 3.8 U |
| 4,4'-DDT | | 3.7 U | 3.8 U |
| Aldrin | | 1.9 U | 2.0 U |
| Alpha Chlordane | | 1.9 U | 2.0 U |
| Dieldrin | | 3.7 U | 3.8 U |
| Endosulfan I | | 1.9 U | 2.0 U |
| Endosulfan II | | 3.7 U | 3.8 U |
| Endosulfan sulfate | | 0.57 J | 0.42 J |
| Endrin | | 3.7 U | 3.8 U |
| Endrin aldehyde | | 3.7 U | 3.8 U |
| Endrin ketone | | 0.23 J | 3.8 U |
| Gamma Chlordane | | 1.9 U | 2.0 U |
| Heptachlor | | 1.9 U | 2.0 U |
| Heptachlor epoxide | | 1.9 U | 2.0 U |
| Methoxychlor | | 1.5 J | 20 U |
| Toxaphene | | 190 U | 200 U |
| alpha-BHC | | 0.56 U | 0.58 U |
| beta-BHC | | 0.56 U | 0.58 U |
| delta-BHC | | 1.9 U | 2.0 U |
| gamma-BHC (Lindane) | | 1.9 U | 2.0 U |
| Total Pesticides | | 4.3 | 0.42 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T6-S2 - 105 Jerome Lane
Method 8151A Herbicide Data

| Sample ID | DAS-T6-S2-0-0.5FT | DAS-T6-S2-3-6FT |
|-------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 2,4,5-T | 9.4 UJ | 9.6 UJ |
| 2,4,5-TP (Silvex) | 9.4 UJ | 9.6 UJ |
| 2,4-D | 9.4 UJ | 9.6 UJ |
| 2,4-DB | 9.4 UJ | 9.6 UJ |
| Dalapon | 74 UJ | 76 UJ |
| Dicamba | 1.7 J | 23 UJ |
| Dichloroprop | 110 UJ | 120 UJ |
| Dinoseb | 110 UJ | 120 UJ |
| MCPA | 2300 UJ | 1400 J |
| MCPP | 2300 UJ | 2300 UJ |
| Pentachlorophenol | 1.6 J | 20 UJ |
| Total Herbicides | 3.3 | 1400 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
DAS-T6-S2 - 105 Jerome Lane
Method 6010B/7471A/9010B Metals Data**

| | Sample ID | DAS-T6-S2-0-0.5FT | DAS-T6-S2-3-6FT |
|-----------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | mg/kg dw | mg/kg dw |
| Compound | | | |
| Aluminum | 7500 | 6700 | |
| Antimony | 2.3 UJ | 2.3 UJ | |
| Arsenic | 5.8 | 6.1 | |
| Barium | 160 | 200 | |
| Beryllium | 0.49 | 0.45 J | |
| Cadmium | 1.1 | 0.32 J | |
| Calcium | 9600 J | 17000 | |
| Chromium | 13 | 11 | |
| Cobalt | 6.1 | 5.8 | |
| Copper | 24 | 12 | |
| Cyanide, Total | 0.57 U | 0.58 U | |
| Iron | 14000 J | 13000 | |
| Lead | 29 J | 8.8 | |
| Magnesium | 5900 | 6600 | |
| Manganese | 340 | 290 | |
| Mercury | 0.049 J | 0.026 UJ | |
| Molybdenum | 0.37 J | 0.42 J | |
| Nickel | 17 | 16 | |
| Potassium | 1900 J | 1500 J | |
| Selenium | 1.1 U | 1.2 U | |
| Silver | 1.1 U | 1.2 U | |
| Sodium | 120 U | 120 | |
| Thallium | 0.97 J | 1.2 U | |
| Vanadium | 22 J | 20 | |
| Zinc | 110 | 42 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T6-S2 - 105 Jerome Lane
Method 8280A PCDD/PCDF Data

| | |
|------------------------------|-------------------|
| Sample ID | DAS-T6-S2-0-0 5FT |
| Sample Date | 04/20/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 3 |
| 1,2,3,4,6,7,8,9-OCDF | 0.13 |
| 1,2,3,4,6,7,8-HxCDD | 0.1 |
| 1,2,3,4,6,7,8-HxCDF | 0.04 |
| 1,2,3,4,7,8,9-HxCDF | 0.01 U |
| 1,2,3,4,7,8-HxCDD | 0.008 U |
| 1,2,3,4,7,8-HxCDF | 0.008 U |
| 1,2,3,6,7,8-HxCDD | 0.01 U |
| 1,2,3,6,7,8-HxCDF | 0.01 U |
| 1,2,3,7,8-HxCDF | 0.008 U |
| 1,2,3,7,8,9-HxCDD | 0.01 U |
| 1,2,3,7,8,9-HxCDF | 0.008 U |
| 1,2,3,7,8-PeCDD | 0.02 U |
| 1,2,3,7,8-PeCDF | 0.01 U |
| 2,3,4,6,7,8-HxCDF | 0.009 U |
| 2,3,4,7,8-PeCDF | 0.01 U |
| 2,3,7,8-TCDD | 0.01 U |
| 2,3,7,8-TCDF | 0.01 U |
| 1998 Total TEQ w/ EMPC as ND | 0.004063 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



**Solutia
Sauget Area 1
DAS-T6-S3 - 100 Jerome Lane
Method 8260B Volatile Organic Compound Data**

| | Sample ID | DAS-T6-S3-0-0.5FT | DAS-T6-S3-3-6FT |
|--------------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,1,1-Trichloroethane | 6.2 U | 5.2 U | |
| 1,1,2-Tetrachloroethane | 6.2 U | 5.2 U | |
| 1,1,2-Trichloroethane | 6.2 U | 5.2 U | |
| 1,1-Dichloroethane | 6.2 U | 5.2 U | |
| 1,1-Dichloroethene | 5.7 U | 4.8 U | |
| 1,2-Dichloroethane | 6.2 U | 5.2 U | |
| 1,2-Dichloropropane | 6.2 U | 5.2 U | |
| 2-Butanone (MEK) | 31 U | 26 U | |
| 2-Hexanone | 31 U | 26 U | |
| 4-Methyl-2-pentanone (MIBK) | 31 U | 26 U | |
| Acetone | 48 J | 40 J | |
| Benzene | 6.2 U | 3.0 J | |
| Bromodichloromethane | 6.2 U | 5.2 U | |
| Bromoform | 6.2 U | 5.2 U | |
| Bromomethane | 12 U | 10 U | |
| Carbon disulfide | 6.2 U | 5.2 U | |
| Carbon tetrachloride | 6.2 U | 5.2 U | |
| Chlorobenzene | 6.2 U | 5.2 U | |
| Chloroethane | 12 U | 10 U | |
| Chloroform | 6.2 U | 5.2 U | |
| Chloromethane | 12 U | 10 U | |
| Cis/Trans-1,2-Dichloropetene | 6.2 U | 5.2 U | |
| Dibromochloromethane | 6.2 U | 5.2 U | |
| Ethylbenzene | 6.2 U | 5.2 U | |
| Methylene chloride (Dichloromethane) | 6.2 U | 5.2 U | |
| Styrene | 6.2 U | 5.2 U | |
| Tetrachloroethene | 6.2 U | 5.2 U | |
| Toluene | 6.2 U | 6.6 U | |
| Trichloroethene | 6.2 U | 5.2 U | |
| Vinyl chloride | 12 U | 10 U | |
| Xylenes, Total | 6.2 U | 4.3 J | |
| cis-1,3-Dichloropropene | 4.9 U | 4.2 U | |
| trans-1,3-Dichloropropene | 4.9 U | 4.2 U | |
| Total VOCs | 48 | 53.9 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



| Sample ID | Sample Date | Units |
|-----------|---------------|-------|
| | | |
| Compound | Concentration | |
| <hr/> | | |

NOTES:



**Solutia
Sauget Area 1
DAS-T6-S3 - 100 Jerome Lane
Method 8270C Semivolatile Organic Compound Data**

| | Sample ID | DAS-T6-S3-0-0.5FT | DAS-T6-S3-3-6FT |
|-------------------------------|--------------------|--------------------------|------------------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,2,4-Trichlorobenzene | 180 U | 190 U | |
| 1,2-Dichlorobenzene | 180 U | 190 U | |
| 1,3-Dichlorobenzene | 180 U | 190 U | |
| 1,4-Dichlorobenzene | 180 U | 190 U | |
| 2,2'-Oxybis(1-Chloropropane) | 180 U | 190 U | |
| 2,4,5-Trichlorophenol | 180 U | 190 U | |
| 2,4,6-Trichlorophenol | 180 U | 190 U | |
| 2,4-Dichlorophenol | 180 U | 190 U | |
| 2,4-Dinitrophenol | 920 U | 950 U | |
| 2,4-Dinitrotoluene | 180 U | 190 U | |
| 2,6-Dinitrotoluene | 180 U | 190 U | |
| 2-Chloronaphthalene | 180 U | 190 U | |
| 2-Chlorophenol | 180 U | 190 U | |
| 2-Methylnaphthalene | 180 U | 190 U | |
| 2-Methylphenol (o-cresol) | 180 U | 190 U | |
| 2-Nitroaniline | 920 U | 950 U | |
| 2-Nitrophenol | 180 U | 190 U | |
| 3,3'-Dichlorobenzidine | 360 U | 370 U | |
| 3-Methylphenol/4-Methylphenol | 180 U | 190 U | |
| 3-Nitroaniline | 920 U | 950 U | |
| 4,6-Dinitro-2-methylphenol | 920 U | 950 U | |
| 4-Bromophenylphenyl ether | 180 U | 190 U | |
| 4-Chloro-3-methylphenol | 180 U | 190 U | |
| 4-Chloroaniline | 360 U | 370 U | |
| 4-Chlorophenylphenyl ether | 180 U | 190 U | |
| 4-Nitroaniline | 920 U | 950 U | |
| 4-Nitrophenol | 920 U | 950 U | |
| Acenaphthene | 420 | 190 U | |
| Acenaphthylene | 180 U | 190 U | |
| Anthracene | 1400 | 190 U | |
| Benz(a)anthracene | 4200 | 190 U | |
| Benz(a)pyrene | 3600 | 100 U | |
| Benz(b)fluoranthene | 4400 | 190 U | |
| Benz(g,h,i)perylene | 1300 | 190 U | |
| Benz(k)fluoranthene | 3400 | 190 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T6-S3 - 100 Jerome Lane
Method 8270C Semivolatile Organic Compound Data**

| Sample ID | DAS-T6-S3-0-0.5FT | DAS-T6-S3-3-6FT |
|----------------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Butylbenzylphthalate | 57 J | 190 U |
| Carbazole | 860 | 190 U |
| Chrysene | 4900 | 190 U |
| Di-n-butylphthalate | 180 U | 190 U |
| Di-n-octylphthalate | 180 U | 190 U |
| Dibenzo(a,h)anthracene | 600 | 100 U |
| Dibenzofuran | 230 | 190 U |
| Diethylphthalate | 180 U | 190 U |
| Dimethylphthalate | 180 U | 190 U |
| Fluoranthene | 9800 | 190 U |
| Fluorene | 580 | 190 U |
| Hexachlorobenzene | 76 U | 78 U |
| Hexachlorobutadiene | 180 U | 190 U |
| Hexachlorocyclopentadiene | 180 U | 190 U |
| Hexachloroethane | 180 U | 190 U |
| Indeno(1,2,3-cd)pyrene | 1100 | 190 U |
| Isophorone | 180 U | 190 U |
| N-Nitroso-di-n-propylamine | 180 U | 190 U |
| N-Nitrosodiphenylamine | 180 U | 190 U |
| Naphthalene | 180 U | 190 U |
| Nitrobenzene | 180 U | 190 U |
| Pentachlorophenol | 920 U | 950 U |
| Phenanthrene | 7100 | 190 U |
| Phenol | 180 U | 190 U |
| Pyrene | 7700 | 190 U |
| bis(2-Chloroethoxy)methane | 180 U | 190 U |
| bis(2-Chloroethyl)ether | 180 U | 190 U |
| bis(2-Ethylhexyl)phthalate | 360 | 190 U |
| Total Semivolatiles | 52007 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T6-S3 - 100 Jerome Lane
Method 680 Polychlorinated Biphenyl Data**

| | Sample ID | DAS-T6-S3-0-0.5FT | DAS-T6-S3-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Decachlorobiphenyl | 18 U | 19 U | |
| Dichlorobiphenyl | 3.6 U | 3.7 U | |
| Heptachlorobiphenyl | 11 U | 11 U | |
| Hexachlorobiphenyl | 7.3 U | 7.5 U | |
| Monochlorobiphenyl | 3.6 U | 3.7 U | |
| Nonachlorobiphenyl | 18 U | 19 U | |
| Octachlorobiphenyl | 11 U | 11 U | |
| Pentachlorobiphenyl | 7.3 U | 7.5 U | |
| Tetrachlorobiphenyl | 7.3 U | 7.5 U | |
| Trichlorobiphenyl | 3.6 U | 3.7 U | |
| Total PCBs | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
DAS-T6-S3 - 100 Jerome Lane
Method 8081A Pesticide Data**

| | Sample ID | DAS-T6-S3-0-0.5FT | DAS-T6-S3-3-6FT |
|-------------------------|--------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 4,4'-DDD | 1.8 J | 3.7 U | |
| 4,4'-DDE | 0.80 J | 3.7 U | |
| 4,4'-DDT | 7.4 U | 3.7 U | |
| Aldrin | 3.7 U | 1.9 U | |
| Alpha Chlordane | 17 | 1.9 U | |
| Dieldrin | 7.4 U | 3.7 U | |
| Endosulfan I | 3.7 U | 1.9 U | |
| Endosulfan II | 7.4 U | 3.7 U | |
| Endosulfan sulfate | 1.9 J | 3.7 U | |
| Endrin | 2.2 J | 3.7 U | |
| Endrin aldehyde | 0.75 J | 3.7 U | |
| Endrin ketone | 7.4 U | 3.7 U | |
| Gamma Chlordane | 18 J | 1.9 U | |
| Heptachlor | 4.1 J | 1.9 U | |
| Heptachlor epoxide | 3.7 U | 1.9 U | |
| Methoxychlor | 5.5 J | 19 U | |
| Toxaphene | 370 U | 190 U | |
| alpha-BHC | 0.22 J | 0.56 U | |
| beta-BHC | 3.8 | 0.56 U | |
| delta-BHC | 0.12 J | 0.14 J | |
| gamma-BHC (Lindane) | 0.13 J | 1.9 U | |
| Total Pesticides | 56.32 | 0.14 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

Solutia
Sauget Area 1
DAS-T6-S3 - 100 Jerome Lane
Method 8151A Herbicide Data

| | Sample ID | DAS-T6-S3-0-0.5FT | DAS-T6-S3-3-6FT |
|-------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 2,4,5-T | 9.0 UJ | 9.3 UJ | |
| 2,4,5-TP (Silvex) | 9.0 UJ | 9.3 UJ | |
| 2,4-D | 9.0 UJ | 9.3 UJ | |
| 2,4-DB | 9.0 UJ | 9.3 UJ | |
| Dalapon | 71 UJ | 73 UJ | |
| Dicamba | 22 UJ | 22 UJ | |
| Dichloroprop | 110 UJ | 110 UJ | |
| Dinoseb | 110 UJ | 110 UJ | |
| MCPA | 2200 UJ | 2200 UJ | |
| MCPP | 2200 UJ | 2200 UJ | |
| Pentachlorophenol | 18 UJ | 19 UJ | |
| Total Herbicides | ND | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T6-S3 - 100 Jerome Lane
Method 6010B/7471A/9010B Metals Data

| | Sample ID | DAS-T6-S3-0-SFT | DAS-T6-S3-1-6FT |
|-----------------|-------------|-----------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | mg/kg dw | mg/kg dw |
| Compound | | | |
| Aluminum | 5200 | 5600 | |
| Antimony | 2.2 UJ | 2.2 UJ | |
| Arsenic | 4.3 | 5.7 | |
| Barium | 110 | 190 | |
| Beryllium | 0.32 J | 0.38 J | |
| Cadmium | 1.8 | 0.29 J | |
| Calcium | 150000 J | 14000 | |
| Chromium | 13 | 9.8 | |
| Cobalt | 3.9 | 5.4 | |
| Copper | 36 | 9.4 | |
| Cyanide, Total | 0.54 U | 0.56 U | |
| Iron | 9000 J | 12000 | |
| Lead | 87 J | 8.0 | |
| Magnesium | 11000 | 6400 | |
| Manganese | 280 | 270 | |
| Mercury | 0.049 J | 0.078 J | |
| Molybdenum | 0.59 J | 0.46 J | |
| Nickel | 15 | 14 | |
| Potassium | 1600 J | 1200 J | |
| Selenium | 1.1 U | 1.1 U | |
| Silver | 1.1 U | 1.1 U | |
| Sodium | 180 U | 130 | |
| Thallium | 1.1 U | 1.1 U | |
| Vanadium | 17 J | 18 | |
| Zinc | 240 | 37 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T6-S3 - 100 Jerome Lane
Method 8280A PCDD/PCDF Data

| | |
|------------------------------|-------------------|
| Sample ID | DAS-T6-S3-0-0-SFT |
| Sample Date | 04/20/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 4.9 |
| 1,2,3,4,6,7,8,9-OCDF | 0.22 |
| 1,2,3,4,6,7,8-HxCDD | 0.3 |
| 1,2,3,4,6,7,8-HxCDF | 0.09 |
| 1,2,3,4,7,8,9-HxCDF | 0.01 U |
| 1,2,3,4,7,8-HxCDD | 0.01 U |
| 1,2,3,4,7,8-HxCDF | 0.008 U |
| 1,2,3,6,7,8-HxCDD | 0.01 U |
| 1,2,3,6,7,8-HxCDF | 0.01 U |
| 1,2,3,7,8,9-HxCDD | 0.01 U |
| 1,2,3,7,8,9-HxCDF | 0.008 U |
| 1,2,3,7,8-PeCDD | 0.02 U |
| 1,2,3,7,8-PeCDF | 0.01 U |
| 2,3,4,6,7,8-HxCDF | 0.009 U |
| 2,3,4,7,8-PeCDF | 0.01 U |
| 2,3,7,8-TCDD | 0.01 U |
| 2,3,7,8-TCDF | 0.008 U |
| 1998 Total TEQ w/ EMPC as ND | 0.006762 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
DAS-T7-S1 - 86 Circle Creek Drive
Method 8260B Volatile Organic Compound Data**

| | Sample ID | DAS-T7-S1-0-0.5FT | DAS-T7-S1-3-6FT |
|--------------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,1,1-Trichloroethane | 5.4 U | 5.9 U | |
| 1,1,2,2-Tetrachloroethane | 5.4 U | 5.9 U | |
| 1,1,2-Trichloroethane | 5.4 U | 5.9 U | |
| 1,1-Dichloroethane | 5.4 U | 5.9 U | |
| 1,1-Dichloroethene | 5.0 U | 5.5 U | |
| 1,2-Dichloroethane | 5.4 U | 5.9 U | |
| 1,2-Dichloropropane | 5.4 U | 5.9 U | |
| 2-Butanone (MEK) | 39 U | 34 U | |
| 2-Hexanone | 27 U | 30 U | |
| 4-Methyl-2-pentanone (MIBK) | 27 U | 30 U | |
| Acetone | 340 | 310 | |
| Benzene | 4.8 J | 3.2 J | |
| Bromodichloromethane | 5.4 U | 5.9 U | |
| Bromoform | 5.4 U | 5.9 U | |
| Bromomethane | 11 U | 12 U | |
| Carbon disulfide | 5.4 U | 4.9 J | |
| Carbon tetrachloride | 5.4 U | 5.9 U | |
| Chlorobenzene | 5.4 U | 5.9 U | |
| Chloroethane | 11 U | 12 U | |
| Chloroform | 5.4 U | 5.9 U | |
| Chloromethane | 11 U | 12 U | |
| Cis/Trans-1,2-Dichloroethene | 5.4 U | 5.9 U | |
| Dibromochloromethane | 5.4 U | 5.9 U | |
| Ethylbenzene | 3.0 J | 5.9 U | |
| Methylene chloride (Dichloromethane) | 5.4 U | 5.9 U | |
| Styrene | 5.4 U | 5.9 U | |
| Tetrachloroethene | 5.4 U | 5.9 U | |
| Toluene | 8.8 | 5.4 J | |
| Trichloroethene | 5.4 U | 5.9 U | |
| Vinyl chloride | 11 U | 12 U | |
| Xylenes, Total | 4.2 J | 5.9 U | |
| cis-1,3-Dichloropropene | 4.3 U | 4.7 U | |
| trans-1,3-Dichloropropene | 4.3 U | 4.7 U | |
| Total VOCs | 360.8 | 323.5 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T7-S1 - 86 Circle Creek Drive
Method 8270C Semivolatile Organic Compound Data**

| | Sample ID | DAS-T7-S1-0-0.5FT | DAS-T7-S1-3.6FT |
|-------------------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 1,2,4-Trichlorobenzene | 190 U | 220 U | |
| 1,2-Dichlorobenzene | 190 U | 220 U | |
| 1,3-Dichlorobenzene | 190 U | 220 U | |
| 1,4-Dichlorobenzene | 190 U | 220 U | |
| 2,2'-Oxybis(1-Chloropropane) | 190 U | 220 U | |
| 2,4,5-Trichlorophenol | 190 U | 220 U | |
| 2,4,6-Trichlorophenol | 190 U | 220 U | |
| 2,4-Dichlorophenol | 190 U | 220 U | |
| 2,4-Dinitrophenol | 970 U | 1100 U | |
| 2,4-Dinitrotoluene | 190 U | 220 U | |
| 2,6-Dinitrotoluene | 190 U | 220 U | |
| 2-Chloronaphthalene | 190 U | 220 U | |
| 2-Chlorophenol | 190 U | 220 U | |
| 2-Methylnaphthalene | 190 U | 220 U | |
| 2-Methylphenol (o-cresol) | 190 U | 220 U | |
| 2-Nitroaniline | 970 U | 1100 U | |
| 2-Nitrophenol | 190 U | 220 U | |
| 3,3'-Dichlorobenzidine | 380 U | 420 U | |
| 3-Methylphenol/4-Methylphenol | 190 U | 220 U | |
| 3-Nitroaniline | 970 U | 1100 U | |
| 4,6-Dinitro-2-methylphenol | 970 U | 1100 U | |
| 4-Bromophenylphenyl ether | 190 U | 220 U | |
| 4-Chloro-3-methylphenol | 190 U | 220 U | |
| 4-Chloroaniline | 380 U | 420 U | |
| 4-Chlorophenylphenyl ether | 190 U | 220 U | |
| 4-Nitroaniline | 970 U | 1100 U | |
| 4-Nitrophenol | 970 U | 1100 U | |
| Acenaphthene | 59 J | 220 U | |
| Acenaphthylene | 190 U | 220 U | |
| Anthracene | 100 J | 220 U | |
| Benzo(a)anthracene | 500 | 220 U | |
| Benzo(a)pyrene | 520 | 120 U | |
| Benzo(b)fluoranthene | 580 | 220 U | |
| Benzo(g,h,i)perylene | 310 | 220 U | |
| Benzo(k)fluoranthene | 470 | 220 U | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



O'BRIEN & GERE
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Solutia
Sauget Area 1
DAS-T7-S1 - 86 Circle Creek Drive
Method 8270C Semivolatile Organic Compound Data

| Sample ID | DAS-T7-S1-0-0.5FT | DAS-T7-S1-3-6FT |
|----------------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Butylbenzylphthalate | 190 U | 220 U |
| Carbazole | 110 J | 220 U |
| Chrysene | 770 | 220 U |
| Di-n-butylphthalate | 190 U | 220 U |
| Di-n-octylphthalate | 190 U | 220 U |
| Dibenzo(a,h)anthracene | 120 | 120 U |
| Dibenzofuran | 190 U | 220 U |
| Diethylphthalate | 190 U | 220 U |
| Dimethylphthalate | 190 U | 220 U |
| Fluoranthene | 1400 | 220 U |
| Fluorene | 56 J | 220 U |
| Hexachlorobenzene | 80 U | 90 U |
| Hexachlorobutadiene | 190 U | 220 U |
| Hexachlorocyclopentadiene | 190 U | 220 U |
| Hexachloroethane | 190 U | 220 U |
| Indeno(1,2,3-cd)pyrone | 280 | 220 U |
| Isophorone | 190 U | 220 U |
| N-Nitroso-di-n-propylamine | 190 U | 220 U |
| N-Nitrosodiphenylamine | 190 U | 220 U |
| Naphthalene | 190 U | 220 U |
| Nitrobenzene | 190 U | 220 U |
| Pentachlorophenol | 970 U | 1100 U |
| Phenanthrene | 970 | 220 U |
| Phenol | 190 U | 220 U |
| Pyrene | 1000 | 220 U |
| bis(2-Chloroethoxy)methane | 190 U | 220 U |
| bis(2-Chloroethyl)ether | 190 U | 220 U |
| bis(2-Ethylhexyl)phthalate | 190 U | 140 J |
| Total Semivolatiles | 7245 | 140 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T7-S1 - 86 Circle Creek Drive
Method 680 Polychlorinated Biphenyl Data

| Sample ID | DAS-T7-S1-0-0.5FT | DAS-T7-S1-3-6FT |
|---------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Decachlorobiphenyl | 19 U | 21 U |
| Dichlorobiphenyl | 3.8 U | 4.2 U |
| Heptachlorobiphenyl | 12 U | 13 U |
| Hexachlorobiphenyl | 7.8 U | 8.6 U |
| Monochlorobiphenyl | 3.8 U | 4.2 U |
| Nonachlorobiphenyl | 19 U | 21 U |
| Octachlorobiphenyl | 12 U | 13 U |
| Pentachlorobiphenyl | 7.8 U | 8.6 U |
| Tetrachlorobiphenyl | 7.8 U | 8.6 U |
| Trichlorobiphenyl | 3.8 U | 4.2 U |
| Total PCBs | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Saugat Area 1
DAS-T7-S1 - 86 Circle Creek Drive
Method 8081A Pesticide Data**

| Sample ID | DAS-T7-S1-0-0 5FT | DAS-T7-S1-3-6FT |
|-------------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 4,4'-DDD | 3.8 U | 4.2 U |
| 4,4'-DDE | 3.8 U | 4.2 U |
| 4,4'-DDT | 3.8 U | 4.2 U |
| Aldrin | 2.0 U | 2.2 U |
| Alpha Chlordane | 0.30 J | 2.2 U |
| Dielein | 3.8 U | 4.2 U |
| Endosulfan I | 2.0 U | 2.2 U |
| Endosulfan II | 3.8 U | 4.2 U |
| Endosulfan sulfate | 3.8 U | 0.57 J |
| Endrin | 0.40 J | 4.2 U |
| Endrin aldehyde | 3.8 U | 4.2 U |
| Endrin ketone | 3.8 U | 4.2 U |
| Gamma Chlordane | 2.0 U | 2.2 U |
| Heptachlor | 2.0 U | 2.2 U |
| Heptachlor epoxide | 2.0 U | 2.2 U |
| Methoxychlor | 20 U | 22 U |
| Toxaphene | 200 U | 220 U |
| alpha-BHC | 0.58 U | 0.64 U |
| beta-BHC | 0.58 U | 0.64 U |
| delta-BHC | 2.0 U | 2.2 U |
| gamma-BHC (Lindane) | 2.0 U | 2.2 U |
| Total Pesticides | 0.7 | 0.57 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T7-S1 - 86 Circle Creek Drive
Method 8151A Herbicide Data

| Sample ID | DAS-T7-S1-0-0.5FT | DAS-T7-S1-3-6FT |
|-------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 2,4,5-T | 9.6 UJ | 11 UJ |
| 2,4,5-TP (Silvex) | 9.6 UJ | 11 UJ |
| 2,4-D | 9.6 UJ | 11 UJ |
| 2,4-DB | 9.6 UJ | 11 UJ |
| Dalapon | 75 UJ | 83 UJ |
| Dicamba | 23 UJ | 26 UJ |
| Dichloroprop | 120 UJ | 130 UJ |
| Dinoseb | 120 UJ | 130 UJ |
| MCPA | 2300 UJ | 2600 UJ |
| MCPP | 2300 UJ | 2600 UJ |
| Pentachlorophenol | 20 UJ | 22 UJ |
| Total Herbicides | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T7-S1 - 86 Circle Creek Drive
Method 6010B/7471A/9010B Metals Data

| | Sample ID | DAS-T7-S1-0-5FT | DAS-T7-S1-3-6FT |
|-----------------|-------------|-----------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | mg/kg dw | mg/kg dw |
| Compound | | | |
| Aluminum | 9000 | 7900 | |
| Antimony | 2.3 UJ | 2.3 UJ | |
| Arsenic | 7.6 | 6.6 | |
| Barium | 180 | 220 | |
| Beryllium | 0.59 | 0.50 | |
| Cadmium | 3.6 | 0.37 J | |
| Calcium | 8100 J | 17000 | |
| Chromium | 20 | 13 | |
| Cobalt | 7.5 | 6.8 | |
| Copper | 29 | 14 | |
| Cyanide, Total | 0.58 U | 0.64 U | |
| Iron | 15000 J | 15000 | |
| Lead | 39 J | 10 | |
| Magnesium | 5200 | 7000 | |
| Manganese | 390 | 400 | |
| Mercury | 0.066 J | 0.027 UJ | |
| Molybdenum | 0.51 J | 0.52 J | |
| Nickel | 21 | 17 | |
| Potassium | 2000 J | 1700 J | |
| Selenium | 1.2 U | 1.2 U | |
| Silver | 1.2 U | 1.2 U | |
| Sodium | 130 U | 160 | |
| Thallium | 1.2 U | 1.2 U | |
| Vanadium | 25 | 23 J | |
| Zinc | 870 | 74 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Sauget Area 1
DAS-T7-S1 - 86 Circle Creek Drive
Method 8280A PCDD/PCDF Data

| | |
|------------------------------|-------------------|
| Sample ID | DAS-T7-S1-0-0.5FT |
| Sample Date | 04/20/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 0.82 |
| 1,2,3,4,6,7,8,9-OCDF | 0.03 U |
| 1,2,3,4,6,7,8-HxCDD | 0.08 |
| 1,2,3,4,6,7,8-HxCDF | 0.01 U |
| 1,2,3,4,7,8-HxCDF | 0.01 U |
| 1,2,3,4,7,8-HxCDD | 0.01 U |
| 1,2,3,4,7,8-HxCDF | 0.01 U |
| 1,2,3,6,7,8-HxCDD | 0.01 U |
| 1,2,3,6,7,8-HxCDF | 0.01 U |
| 1,2,3,7,8-HxCDD | 0.01 U |
| 1,2,3,7,8-HxCDF | 0.01 U |
| 1,2,3,7,8-PeCDD | 0.03 U |
| 1,2,3,7,8-PeCDF | 0.01 U |
| 2,3,4,6,7,8-HxCDF | 0.01 U |
| 2,3,4,7,8-PeCDF | 0.01 U |
| 2,3,7,8-TCDD | 0.01 U |
| 2,3,7,8-TCDF | 0.01 U |
| 1998 Total TEQ w/ EMPC as ND | 0.0034335 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate



Solutia
Sauget Area 1
DAS-T7-S2 - 18 Circle Creek Drive
Method 8260B Volatile Organic Compound Data

| Sample ID | DAS-T7-S2-0-0.5FT | DAS-T7-S2-3-6FT |
|--------------------------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 1,1,1-Trichloroethane | 5.8 U | 5.7 U |
| 1,1,2-Tetrachloroethane | 5.8 U | 5.7 U |
| 1,1,2-Trichloroethane | 5.8 U | 5.7 U |
| 1,1-Dichloroethane | 5.8 U | 5.7 U |
| 1,1-Dichloroethene | 5.3 U | 5.2 U |
| 1,2-Dichloroethane | 5.8 U | 5.7 U |
| 1,2-Dichloropropane | 5.8 U | 5.7 U |
| 2-Butanone (MEK) | 35 U | 28 U |
| 2-Hexanone | 29 U | 28 U |
| 4-Methyl-2-pentanone (MIBK) | 29 U | 28 U |
| Acetone | 480 | 140 |
| Benzene | 5.8 U | 2.5 J |
| Bromodichloromethane | 5.8 U | 5.7 U |
| Bromoform | 5.8 U | 5.7 U |
| Bromomethane | 12 U | 11 U |
| Carbon disulfide | 4.3 J | 7.8 U |
| Carbon tetrachloride | 5.8 U | 5.7 U |
| Chlorobenzene | 5.8 U | 10 U |
| Chloroethane | 12 U | 11 U |
| Chloroform | 5.8 U | 5.7 U |
| Chloromethane | 12 U | 11 U |
| Cis/Trans-1,2-Dichloroethene | 5.8 U | 5.7 U |
| Dibromochloromethane | 5.8 U | 5.7 U |
| Ethylbenzene | 5.8 U | 5.7 U |
| Methylene chloride (Dichloromethane) | 5.8 U | 5.7 U |
| Styrene | 5.8 U | 5.7 U |
| Tetrachloroethene | 5.8 U | 5.7 U |
| Toluene | 2.2 J | 5.7 U |
| Trichloroethene | 5.8 U | 5.7 U |
| Vinyl chloride | 12 U | 11 U |
| Xylenes, Total | 5.8 U | 5.7 U |
| cis-1,3-Dichloropropene | 4.6 U | 4.5 U |
| trans-1,3-Dichloropropene | 4.6 U | 4.5 U |
| Total VOCs | 486.5 | 160.3 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



**Solutia
Saugat Area 1
DAS-T7-S2 - 18 Circle Creek Drive
Method 8270C Semivolatile Organic Compound Data**

| Sample ID | DAS-T7-S2-0-0.5FT | DAS-T7-S2-3-6FT |
|-------------------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| 1,2,4-Trichlorobenzene | 200 U | 220 U |
| 1,2-Dichlorobenzene | 200 U | 220 U |
| 1,3-Dichlorobenzene | 200 U | 220 U |
| 1,4-Dichlorobenzene | 200 U | 220 U |
| 2,2'-Oxybis(1-Chloropropane) | 200 U | 220 U |
| 2,4,5-Trichlorophenol | 200 U | 220 U |
| 2,4,6-Trichlorophenol | 200 U | 220 U |
| 2,4-Dichlorophenol | 200 U | 220 U |
| 2,4-Dinitrophenol | 1000 U | 1100 U |
| 2,4-Dinitrotoluene | 200 U | 220 U |
| 2,6-Dinitrotoluene | 200 U | 220 U |
| 2-Chloronaphthalene | 200 U | 220 U |
| 2-Chlorophenol | 200 U | 220 U |
| 2-Methylnaphthalene | 200 U | 220 U |
| 2-Methylphenol (o-cresol) | 200 U | 220 U |
| 2-Nitroaniline | 1000 U | 1100 U |
| 2-Nitrophenol | 200 U | 220 U |
| 3,3'-Dichlorobenzidine | 390 U | 430 U |
| 3-Methylphenol/4-Methylphenol | 200 U | 220 U |
| 3-Nitroaniline | 1000 U | 1100 U |
| 4,6-Dinitro-2-methylphenol | 1000 U | 1100 U |
| 4-Bromophenylphenyl ether | 200 U | 220 U |
| 4-Chloro-3-methylphenol | 200 U | 220 U |
| 4-Chloroaniline | 390 U | 430 U |
| 4-Chlorophenylphenyl ether | 200 U | 220 U |
| 4-Nitroaniline | 1000 U | 1100 U |
| 4-Nitrophenol | 1000 U | 1100 U |
| Acenaphthene | 160 J | 220 U |
| Acenaphthylene | 200 U | 220 U |
| Anthracene | 360 | 220 U |
| Benzo(a)anthracene | 1900 | 220 U |
| Benzo(a)pyrene | 2100 | 120 U |
| Benzo(b)fluoranthene | 2200 | 220 U |
| Benzo(g,h,i)perylene | 1100 | 220 U |
| Benzo(k)fluoranthene | 2100 | 220 U |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



**Solutia
Sauget Area 1
DAS-T7-S2 - 18 Circle Creek Drive
Method 8270C Semivolatile Organic Compound Data**

| Sample ID | DAS-T7-S2-0-0 SFT | DAS-T7-S2-3-6FT |
|----------------------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | ug/kg dw | ug/kg dw |
| Compound | | |
| Butylbenzylphthalate | 200 U | 220 U |
| Carbazole | 310 J | 220 U |
| Chrysene | 2600 | 220 U |
| Di-n-butylphthalate | 200 U | 220 U |
| Di-n-octylphthalate | 200 U | 220 U |
| Dibenz(a,h)anthracene | 410 | 120 U |
| Dibenzofuran | 52 J | 220 U |
| Diethylphthalate | 200 U | 220 U |
| Dimethylphthalate | 200 U | 220 U |
| Fluoranthene | 5600 | 220 U |
| Fluorene | 140 J | 220 U |
| Hexachlorobenzene | 83 U | 92 U |
| Hexachlorobutadiene | 200 U | 220 U |
| Hexachlorocyclopentadiene | 200 U | 220 U |
| Hexachloroethane | 200 U | 220 U |
| Indeno(1,2,3-cd)pyrene | 1100 | 220 U |
| Isophorone | 200 U | 220 U |
| N-Nitroso-di-n-propylamine | 200 U | 220 U |
| N-Nitrosodiphenylamine | 200 U | 220 U |
| Naphthalene | 200 U | 220 U |
| Nitrobenzene | 200 U | 220 U |
| Pentachlorophenol | 1000 U | 1100 U |
| Phenanthrene | 2900 | 220 U |
| Phenol | 200 U | 220 U |
| Pyrene | 3900 | 220 U |
| bis(2-Chloroethoxy)methane | 200 U | 220 U |
| bis(2-Chloroethyl)ether | 200 U | 220 U |
| bis(2-Ethylhexyl)phthalate | 91 J | 220 U |
| Total Semivolatiles | 27023 | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
DAS-T7-S2 - 18 Circle Creek Drive
Method 680 Polychlorinated Biphenyl Data**

| | Sample ID | DAS-T7-S2-0-0 5FT | DAS-T7-S2-3-6FT |
|---------------------|-------------|-------------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| Decachlorobiphenyl | 10 J | 22 U | |
| Dichlorobiphenyl | 4.0 U | 4.3 U | |
| Heptachlorobiphenyl | 12 U | 13 U | |
| Hexachlorobiphenyl | 8.1 U | 8.8 U | |
| Monochlorobiphenyl | 4.0 U | 4.3 U | |
| Nonachlorobiphenyl | 20 U | 22 U | |
| Octachlorobiphenyl | 12 U | 13 U | |
| Pentachlorobiphenyl | 8.1 U | 8.8 U | |
| Tetrachlorobiphenyl | 8.1 U | 8.8 U | |
| Trichlorobiphenyl | 4.0 U | 4.3 U | |
| Total PCBs | 10 | ND | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T7-S2 - 18 Circle Creek Drive
Method 8081A Pesticide Data

| | Sample ID | DAS-T7-S2-0-5FT | DAS-T7-S2-3-6FT |
|-------------------------|-------------|-----------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 4,4'-DDD | | 1.3 J | 4.3 U |
| 4,4'-DDE | | 1.6 J | 4.3 U |
| 4,4'-DDT | | 15 | 4.3 U |
| Aldrin | | 2.0 U | 2.2 U |
| Alpha Chlordane | | 11 | 2.2 U |
| Dieldrin | | 3.9 U | 4.3 U |
| Endosulfan I | | 2.0 U | 2.2 U |
| Endosulfan II | | 3.9 U | 4.3 U |
| Endosulfan sulfate | | 3.9 U | 0.32 J |
| Endrin | | 0.10 J | 4.3 U |
| Endrin aldehyde | | 3.9 U | 4.3 U |
| Endrin ketone | | 3.9 U | 4.3 U |
| Gamma Chlordane | | 10 J | 2.2 U |
| Heptachlor | | 2 U | 2.2 U |
| Heptachlor epoxide | | 0.62 J | 2.2 U |
| Methoxychlor | | 10 J | 2.2 U |
| Toxaphene | | 200 U | 220 U |
| alpha-BHC | | 0.59 U | 0.66 U |
| beta-BHC | | 0.59 U | 0.66 U |
| delta-BHC | | 0.18 J | 2.2 U |
| gamma-BHC (Lindane) | | 0.087 J | 2.2 U |
| Total Pesticides | | 49.887 | 0.32 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
DAS-T7-S2 - 18 Circle Creek Drive
Method 8151A Herbicide Data**

| | Sample ID | DAS-T7-S2-0-5FT | DAS-T7-S2-3-6FT |
|-------------------|-------------|-----------------|-----------------|
| | Sample Date | 04/20/00 | 04/20/00 |
| | Units | ug/kg dw | ug/kg dw |
| Compound | | | |
| 2,4,5-T | 10 UJ | 11 UJ | |
| 2,4,5-TP (Silvex) | 10 UJ | 11 UJ | |
| 2,4-D | 10 UJ | 11 UJ | |
| 2,4-DB | 10 UJ | 11 UJ | |
| Dalapon | 78 UJ | 86 UJ | |
| Dicamba | 24 UJ | 26 UJ | |
| Dichloroprop | 120 UJ | 130 UJ | |
| Dinoserb | 120 UJ | 130 UJ | |
| MCPA | 2400 UJ | 2600 UJ | |
| MCPP | 2400 UJ | 2600 UJ | |
| Pentachlorophenol | 2.5 J | 2.6 J | |
| Total Herbicides | 2.5 | 2.6 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
EB - Equipment Blank, FD - Field Duplicate
DAS - Developed Area Soil Sample



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
DAS-T7-S2 - 18 Circle Creek Drive
Method 6010B/7471A/9010B Metals Data**

| Sample ID | DAS-T7-S2-0-0.5FT | DAS-T7-S2-3-6FT |
|-----------------|-------------------|-----------------|
| Sample Date | 04/20/00 | 04/20/00 |
| Units | mg/kg dw | mg/kg dw |
| Compound | | |
| Aluminum | 7200 | 9700 |
| Antimony | 2.4 UJ | 0.60 J |
| Arsenic | 6.8 | 5.5 |
| Barium | 160 | 280 |
| Beryllium | 0.47 J | 0.49 |
| Cadmium | 2.2 | 7.9 |
| Calcium | 38000 J | 4700 |
| Chromium | 16 | 130 |
| Cobalt | 6.1 | 5.7 |
| Copper | 33 | 62 |
| Cyanide, Total | 0.60 U | 0.66 U |
| Iron | 14000 J | 11000 |
| Lead | 67 J | 77 |
| Magnesium | 7900 | 3200 |
| Manganese | 380 | 150 |
| Mercury | 0.089 J | 0.12 J |
| Molybdenum | 0.69 J | 0.33 J |
| Nickel | 18 | 19 |
| Potassium | 1500 J | 2100 J |
| Selenium | 1.2 U | 1.1 U |
| Silver | 1.2 U | 1.1 U |
| Sodium | 150 U | 260 |
| Thallium | 0.85 J | 0.72 J |
| Vanadium | 22 | 23 J |
| Zinc | 260 | 1200 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.
 EB - Equipment Blank, FD - Field Duplicate
 DAS - Developed Area Soil Sample



Solutia
Saugat Area 1
DAS-T7-S2 - 18 Circle Creek Drive
Method 8280A PCDD/PCDF Data

| | |
|------------------------------|-------------------|
| Sample ID | DAS-T7-S2-0-0.5FT |
| Sample Date | 04/20/00 |
| Units | ug/kg |
| Compound | |
| 1,2,3,4,6,7,8,9-OCDD | 5 |
| 1,2,3,4,6,7,8,9-OCDF | 0.25 |
| 1,2,3,4,6,7,8-HxCDD | 0.36 |
| 1,2,3,4,6,7,8-HxCDF | 0.11 |
| 1,2,3,4,7,8,9-HxCDF | 0.01 U |
| 1,2,3,4,7,8-HxCDD | 0.01 U |
| 1,2,3,4,7,8-HxCDF | 0.01 U |
| 1,2,3,6,7,8-HxCDD | 0.02 U |
| 1,2,3,6,7,8-HxCDF | 0.01 U |
| 1,2,3,7,8,9-HxCDD | 0.01 U |
| 1,2,3,7,8,9-HxCDF | 0.01 U |
| 1,2,3,7,8-PeCDD | 0.03 U |
| 1,2,3,7,8-PeCDF | 0.01 U |
| 2,3,4,6,7,8-HxCDF | 0.01 U |
| 2,3,4,7,8-PeCDF | 0.01 U |
| 2,3,7,8-TCDD | 0.01 U |
| 2,3,7,8-TCDF | 0.01 U |
| 1998 Total TEQ w/ EMPC as ND | 0.008225 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis.

EB - Equipment Blank, FD - Field Duplicate

Attachment III

Residential Soil Sampling

Sauget Area I

Background Soil Sample Results



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
Background Soil**

Method 8260B Volatile Organic Compound Data

| | Sample ID | BS-EE-04-0-0.5FT | BS-EE-04-0-0.5FTFD | BS-EE-04-3-6FT | BS-EE-20-0-0.5FT | BS-EE-20-3-6FT | BS-EEG-108-0-0 SFT | BS-EEG-108-3-6FT |
|--------------------------------------|-------------|------------------|--------------------|----------------|------------------|----------------|--------------------|------------------|
| | Sample Date | 01/26/00 | 01/26/00 | 01/26/00 | 01/24/00 | 01/24/00 | 03/09/00 | 03/09/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | | | | | |
| 1,1,1-Trichloroethane | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| 1,1,2,2-Tetrachloroethane | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| 1,1,2-Trichloroethane | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| 1,1-Dichloroethane | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| 1,1-Dichloroethene | 6.4 U | 6 U | 6 U | 5.4 U | 5.5 U | 4.9 U | 4.5 U | 4.5 U |
| 1,2-Dichloroethane | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| 1,2-Dichloropropane | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| 2-Butanone (MEK) | 35 U | 33 U | 32 U | 29 U | 30 U | 27 U | 24 U | 24 U |
| 2-Hexanone | 35 U | 33 U | 32 U | 29 U | 30 U | 18 J | 24 U | 24 U |
| 4-Methyl-2-pentanone (MIBK) | 35 U | 33 U | 32 U | 29 U | 30 U | 27 U | 24 U | 24 U |
| Acetone | 70 U | 65 U | 65 U | 59 U | 60 U | 54 U | 5.5 J | 4.9 U |
| Benzene | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Bromodichloromethane | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Bromoform | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Bromomethane | 14 U | 13 U | 13 U | 12 U | 12 U | 11 U | 9.8 U | 9.8 U |
| Carbon disulfide | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Carbon tetrachloride | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Chlorobenzene | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Chloroethane | 14 U | 13 U | 13 U | 12 U | 12 U | 11 U | 9.8 U | 9.8 U |
| Chloroform | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Chloromethane | 14 U | 13 U | 13 U | 12 U | 12 U | 11 U | 9.8 U | 9.8 U |
| Cis/Trans-1,2-Dichloroethene | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Dibromochloromethane | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Ethylbenzene | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Methylene chloride (Dichloromethane) | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Styrene | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Tetrachloroethene | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Toluene | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Trichloroethene | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| Vinyl chloride | 14 U | 13 U | 13 U | 12 U | 12 U | 11 U | 9.8 U | 9.8 U |
| Xylenes, Total | 7 U | 6.5 U | 6.5 U | 5.9 U | 6 U | 5.4 U | 4.9 U | 4.9 U |
| cis-1,3-Dichloropropene | 5.6 U | 5.2 U | 5.2 U | 4.7 U | 4.8 U | 4.3 U | 3.9 U | 3.9 U |
| trans-1,3-Dichloropropene | 5.6 U | 5.2 U | 5.2 U | 4.7 U | 4.8 U | 4.3 U | 3.9 U | 3.9 U |
| Total VOCs | ND | ND | ND | 12 | ND | 19.7 | 6.9 | |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate



Solutia
Sauget Area 1
Background Soil
Method 8270C Semivolatile Organic Compound Data

| Sample ID | BS-EE-04-0-0.5FT | BS-EE-04-0-0.5FTFD | BS-EE-04-3-6FT | BS-EE-20-0-0.5FT | BS-EE-20-3-6FT | BS-EEG-108-0-0.5FT | BS-EEG-108-3-6FT |
|-------------------------------|------------------|--------------------|----------------|------------------|----------------|--------------------|------------------|
| Sample Date | 01/26/00 | 01/26/00 | 01/26/00 | 01/24/00 | 01/24/00 | 01/27/00 | 01/27/00 |
| Units | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | | | | |
| 1,2,4-Trichlorobenzene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 1,2-Dichlorobenzene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 1,3-Dichlorobenzene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 1,4-Dichlorobenzene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 2,2'-Oxybis(1-Chloropropane) | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 2,4,5-Trichlorophenol | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 2,4,6-Trichlorophenol | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 2,4-Dichlorophenol | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 2,4-Dinitrophenol | 1100 U | 1100 U | 1100 U | 1100 U | 1000 U | 1000 U | 1000 UJ |
| 2,4-Dinitrotoluene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 2,6-Dinitrotoluene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 2-Chloronaphthalene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 2-Chlorophenol | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 2-Methylnaphthalene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 2-Methylphenol (o-cresol) | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 2-Nitroaniline | 1100 U | 1100 U | 1100 U | 1100 U | 1000 U | 1000 U | 1000 UJ |
| 2-Nitrophenol | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 3,3'-Dichlorobenzidine | 430 U | 440 U | 430 U | 410 U | 390 U | 400 U | 410 UJ |
| 3-Methylphenol/4-Methylphenol | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 410 UJ |
| 3-Nitroaniline | 1100 U | 1100 U | 1100 U | 1100 U | 1000 U | 1000 U | 1000 UJ |
| 4,6-Dinitro-2-methylphenol | 1100 U | 1100 U | 1100 U | 1100 U | 1000 U | 1000 U | 1000 UJ |
| 4-Bromophenylphenyl ether | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 4-Chloro-3-methylphenol | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 4-Chloroaniline | 430 U | 440 U | 430 U | 410 U | 390 U | 400 U | 410 UJ |
| 4-Chlorophenylphenyl ether | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| 4-Nitroaniline | 1100 U | 1100 U | 1100 U | 1100 U | 1000 U | 1000 U | 1000 UJ |
| 4-Nitrophenol | 1100 U | 1100 U | 1100 U | 1100 U | 1000 U | 1000 U | 1000 UJ |
| Acenaphthene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Acenaphthylene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Anthracene | 220 U | 230 U | 220 U | 210 U | 200 U | 80 J | 210 UJ |
| Benz(a)anthracene | 220 U | 230 U | 220 U | 77 J | 200 U | 170 J | 26 J |
| Benz(a)pyrene | 120 U | 120 U | 120 U | 70 J | 110 U | 150 | 110 UJ |
| Benz(b)fluoranthene | 220 U | 230 U | 220 U | 69 J | 200 U | 110 J | 210 UJ |
| Benz(g,h,i)perylene | 220 U | 230 U | 220 U | 45 J | 200 U | 82 J | 34 J |
| Benz(k)fluoranthene | 220 U | 230 U | 220 U | 60 J | 200 U | 140 J | 210 UJ |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.



**Solutia
Sauget Area 1
Background Soil
Method 8270C Semivolatile Organic Compound Data**

| Sample ID | BS-EE-04-0-0.5FT | BS-EE-04-0-0.5FTFD | BS-EE-04-3-6FT | BS-EE-20-0-0.5FT | BS-EE-20-3-6FT | BS-EEG-108-0-0.5FT | BS-EEG-108-3-6FT |
|----------------------------|------------------|--------------------|----------------|------------------|----------------|--------------------|------------------|
| Sample Date | 01/26/00 | 01/26/00 | 01/26/00 | 01/24/00 | 01/24/00 | 01/27/00 | 01/27/00 |
| Units | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | | | | |
| Butylbenzylphthalate | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Carbazole | 220 U | 230 U | 220 U | 210 U | 200 U | 32 J | 210 UJ |
| Chrysene | 220 U | 230 U | 220 U | 97 J | 200 U | 200 J | 42 J |
| Di-n-butylphthalate | 130 J | 230 U | 220 U | 210 U | 200 U | 240 | 210 UJ |
| Di-n-octylphthalate | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Dibenzo(a,h)anthracene | 120 U | 120 U | 120 U | 110 U | 110 U | 110 U | 110 UJ |
| Dibenzofuran | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Diethylphthalate | 100 J | 120 J | 110 J | 60 J | 63 J | 110 J | 210 UJ |
| Dimethylphthalate | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Fluoranthene | 220 U | 230 U | 220 U | 200 J | 200 U | 440 | 42 J |
| Fluorene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Hexachlorobenzene | 92 U | 93 U | 91 U | 88 U | 83 U | 84 U | 87 UJ |
| Hexachlorobutadiene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Hexachlorocyclopentadiene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Hexachloroethane | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Indeno(1,2,3-cd)pyrene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Isophorone | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| N-Nitroso-di-n-propylamine | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| N-Nitrosodiphenylamine | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Naphthalene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Nitrobenzene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Pentachlorophenol | 1100 U | 1100 U | 1100 U | 1100 U | 1000 U | 1000 U | 1000 UJ |
| Phenanthrene | 220 U | 230 U | 220 U | 100 J | 200 U | 290 | 210 UJ |
| Phenol | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| Pyrene | 220 U | 230 U | 220 U | 180 J | 200 U | 360 | 210 UJ |
| bis(2-Chloroethoxy)methane | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| bis(2-Chloroethyl)ether | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 UJ |
| bis(2-Ethylhexyl)phthalate | 420 | 230 U | 220 U | 210 U | 200 U | 110 J | 210 UJ |
| Total Semivolatiles | 650 | 120 | 110 | 958 | 63 | 2514 | 144 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.



**Solutia
Sauget Area 1
Background Soil
Method 680 Polychlorinated Biphenyl Data**

| Sample ID | BS-EE-04-0-0.5FT | BS-EE-04-0-0.5FTFD | BS-EE-04-3-6FT | BS-EE-20-0-0.5FT | BS-EE-20-3-6FT | BS-EEG-108-0-0.5FT | BS-EEG-108-3-6FT |
|---------------------|------------------|--------------------|----------------|------------------|----------------|--------------------|------------------|
| Sample Date | 01/26/00 | 01/26/00 | 01/26/00 | 01/24/00 | 01/24/00 | 01/27/00 | 01/27/00 |
| Units | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | | | | |
| Decachlorobiphenyl | 53 | 43 | 22 UJ | 740 | 20 U | 20 UJ | R |
| Dichlorobiphenyl | 4.3 U | 4.4 U | 4.3 UJ | 4.1 U | 3.9 U | 4 UJ | R |
| Heptachlorobiphenyl | 13 U | 13 U | 13 UJ | 94 | 12 U | 12 UJ | R |
| Hexachlorobiphenyl | 8.8 U | 8.9 U | 8.7 UJ | 170 | 8 U | 8.1 UJ | R |
| Monochlorobiphenyl | 4.3 U | 4.4 U | 4.3 UJ | 4.1 U | 3.9 U | 4 UJ | R |
| Nonachlorobiphenyl | 42 | 29 | 22 UJ | 450 | 20 U | 20 UJ | R |
| Octachlorobiphenyl | 13 U | 13 U | 13 UJ | 71 | 12 U | 12 UJ | R |
| Pentachlorobiphenyl | 8.8 U | 8.9 U | 8.7 UJ | 130 | 8 U | 8.1 UJ | R |
| Tetrachlorobiphenyl | 8.8 U | 8.9 U | 8.7 UJ | 47 | 8 U | 8.1 UJ | R |
| Trichlorobiphenyl | 4.3 U | 4.4 U | 4.3 UJ | 3.8 J | 3.9 U | 4 UJ | R |
| Total PCBs | 95 | 72 | ND | 1705.8 | ND | ND | --- |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.



**Solutia
Sauget Area 1
Background Soil
Method 8081A Pesticide Data**

| Sample ID | BS-EE-04-0-0.5FT | BS-EE-04-0-0.5FTFD | BS-EE-04-3-6FT | BS-EE-20-0-0.5FT | BS-EE-20-3-6FT | BS-EEG-108-0-0.5FT | BS-EEG-108-3-6FT |
|---------------------|------------------|--------------------|----------------|------------------|----------------|--------------------|------------------|
| Sample Date | 01/26/00 | 01/26/00 | 01/26/00 | 01/24/00 | 01/24/00 | 01/27/00 | 01/27/00 |
| Units | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | | | | |
| 4,4'-DDD | 4.3 U | 4.4 U | 4.3 U | 4.1 U | 3.9 U | 4 U | 4.1 U |
| 4,4'-DDE | 4.3 U | 4.4 U | 4.3 U | 20 J | 3.9 U | 4 U | 4.1 UJ |
| 4,4'-DDT | 4.3 U | 4.4 U | 4.3 U | 17 J | 3.9 U | 4 U | 4.1 UJ |
| Aldrin | 2.2 U | 2.3 U | 2.2 U | 2.1 U | 2 U | 2 U | 2.1 U |
| Alpha Chlordane | 2.2 U | 2.3 U | 2.2 U | 2.1 U | 2 U | 2 U | 2.1 U |
| Dieldrin | 4.3 U | 4.4 U | 4.3 U | 4.1 U | 3.9 U | 4 U | 4.1 UJ |
| Endosulfan I | 2.2 U | 2.3 U | 2.2 U | 2.1 U | 2 U | 2 U | 2.1 UJ |
| Endosulfan II | 4.3 U | 4.4 U | 4.3 U | 4.1 U | 3.9 U | 4 U | 4.1 U |
| Endosulfan sulfate | 4.3 U | 4.4 U | 4.3 U | 4.1 U | 3.9 U | 4 U | 4.1 U |
| Endrin | 4.3 U | 4.4 U | 4.3 U | 4.1 U | 3.9 U | 4 U | 4.1 UJ |
| Endrin aldehyde | 4.3 U | 4.4 U | 4.3 U | 4.1 U | 3.9 U | 4 U | 4.1 U |
| Endrin ketone | 4.3 U | 4.4 U | 4.3 U | 4.1 U | 3.9 U | 4 U | 4.1 UJ |
| Gamma Chlordane | 2.2 U | 2.3 U | 2.2 U | 2.1 U | 2 U | 2 U | 2.1 UJ |
| Heptachlor | 2.2 U | 2.3 U | 2.2 U | 2.1 U | 2 U | 2 U | 2.1 U |
| Heptachlor epoxide | 2.2 U | 2.3 U | 2.2 U | 2.1 U | 2 U | 2 U | 2.1 U |
| Methoxychlor | 22 U | 23 U | 22 U | 21 U | 20 U | 20 U | 21 U |
| Toxaphene | 220 U | 230 U | 220 U | 210 U | 200 U | 200 U | 210 U |
| alpha-BHC | 0.66 U | 0.67 U | 0.65 U | 0.62 U | 0.6 U | 0.6 U | 0.62 UJ |
| beta-BHC | 0.66 U | 0.67 U | 0.65 U | 0.62 U | 0.6 U | 0.6 U | 0.62 U |
| delta-BHC | 0.66 U | 0.67 U | 0.65 U | 0.62 U | 0.6 U | 0.6 U | 0.62 U |
| gamma-BHC (Lindane) | 2.2 U | 2.3 U | 2.2 U | 2.1 U | 2 U | 2 U | 2.1 UJ |
| Total Pesticides | ND | ND | ND | 37 | ND | ND | ND |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.



O'BRIEN & GERE
ENGINEERS, INC.

**Solutia
Sauget Area 1
Background Soil
Method 8151A Herbicide Data**

| | Sample ID | BS-EE-04-0-0.5FT | BS-EE-04-0-0.5FTFD | BS-EE-04-3-6FT | BS-EE-20-0-0.5FT | BS-EE-20-3-6FT | BS-EEG-108-0-0.5FT | BS-EEG-108-3-6FT |
|-------------------|-------------|------------------|--------------------|----------------|------------------|----------------|--------------------|------------------|
| | Sample Date | 01/26/00 | 01/26/00 | 01/26/00 | 01/24/00 | 01/24/00 | 01/27/00 | 01/27/00 |
| | Units | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw | ug/kg dw |
| Compound | | | | | | | | |
| 2,4,5-T | | 11 U | 11 U | 11 U | 10 U | 9.8 U | 9.9 U | 10 U |
| 2,4,5-TP (Silvex) | | 11 U | 13 J | 11 U | 11 J | 9.8 U | 5.8 J | 5.8 J |
| 2,4-D | | 11 U | 11 U | 11 U | 10 U | 9.8 U | 9.9 U | 10 U |
| 2,4-DB | | 11 U | 11 U | 11 U | 10 U | 9.8 U | 9.9 U | 10 U |
| Dalapon | | 86 U | 86 U | 84 U | 81 U | 77 U | 77 U | 80 U |
| Dicamba | | 26 U | 26 U | 26 U | 25 U | 24 U | 24 U | 25 U |
| Dichloroprop | | 130 U | 130 U | 130 U | 120 U | 120 U | 120 U | 120 U |
| Dinoseb | | 130 U | 130 U | 130 U | 120 U | 120 U | 120 U | 120 U |
| MCPA | | 3100 J | 5800 | 2600 U | 13000 J | 2400 U | 4300 | 2500 U |
| MCPP | | 5600 | 7500 | 3000 | 5900 | 2400 U | 2500 J | 2900 |
| Pentachlorophenol | | 18 J | 24 J | 22 U | 45 J | 20 U | 20 U | 21 U |
| Total Herbicides | | 8718 | 13337 | 3000 | 18956 | ND | 6805.8 | 2905.8 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate



**Solutia
Sauget Area 1
Background Soil
Method 6010B/7471A/9010B Metals Data**

| Compound | Sample ID | BS-EE-04-0-0.5FT | BS-EE-04-0-0.5FTFD | BS-EE-04-3-6FT | BS-EE-20-0-0.5FT | BS-EE-20-3-6FT | BS-EEG-108-0-0.5FT | BS-EEG-108-3-6FT |
|----------------|-------------|------------------|--------------------|----------------|------------------|----------------|--------------------|------------------|
| | Sample Date | 01/26/00 | 01/26/00 | 01/26/00 | 01/24/00 | 01/24/00 | 01/27/00 | 01/27/00 |
| | Units | mg/kg dw | mg/kg dw | mg/kg dw | mg/kg dw | mg/kg dw | mg/kg dw | mg/kg dw |
| Aluminum | | 19000 | 19000 | 8400 | 11000 | 10000 | 8100 | 12000 |
| Antimony | | 1.9 J | R | R | 1.2 J | R | R | R |
| Arsenic | | 8.8 | 9.4 | 7.3 | 13 | 12 | 6.6 | 6.8 |
| Barium | | 210 J | 260 J | 170 J | 200 J | 190 J | 110 J | 200 J |
| Beryllium | | 1.1 | 1.1 | 0.5 | 0.71 | 0.68 | 0.45 J | 0.72 |
| Cadmium | | 2.9 | 3.2 | 0.11 J | 9.4 | 8.9 | 0.52 J | 1.3 |
| Calcium | | 6200 J | 6400 J | 8400 J | 4000 J | 3800 J | 40000 J | 12000 J |
| Chromium | | 25 | 25 | 13 | 17 | 18 | 17 | 18 |
| Cobalt | | 9.8 | 11 | 6.4 | 7.4 | 6.8 | 5.5 | 7.7 |
| Copper | | 96 | 81 | 11 | 190 | 180 | 35 | 41 |
| Cyanide, Total | | 0.66 U | 0.67 U | 0.65 U | 0.62 U | 0.6 U | 0.6 U | 0.62 U |
| Iron | | 24000 J | 26000 J | 14000 J | 17000 J | 18000 J | 15000 J | 18000 J |
| Lead | | 78 | 69 | 8.5 | 180 | 160 | 24 | 45 |
| Magnesium | | 5500 | 5800 | 5700 | 3200 | 3100 | 17000 | 5200 |
| Manganese | | 470 J | 600 J | 420 J | 400 J | 370 J | 390 J | 410 J |
| Mercury | | 0.083 J | 0.081 J | 0.02 J | 0.14 J | 0.0041 J | 0.044 J | 0.06 J |
| Molybdenum | | 0.85 J | 0.98 J | 0.5 J | 1.4 | 1.5 | 0.72 J | 0.62 J |
| Nickel | | 26 | 30 | 16 | 21 | 20 | 15 | 20 |
| Potassium | | 3400 | 3600 | 1800 | 2300 | 2200 | 1300 | 2300 |
| Selenium | | 1.2 U | 1.3 U | 1.1 U | 1.1 U | 1.1 U | 1.2 U | 1.1 U |
| Silver | | 0.38 J | 0.27 J | 1.1 U | 1.1 J | 0.98 J | 1.2 U | 1.1 U |
| Sodium | | 100 U | 100 U | 120 U | 130 U | 120 U | 750 J | 410 J |
| Thallium | | 1.2 U | 1.3 U | 1.1 U | 0.76 UJ | 0.84 UJ | 1.2 U | 1.1 U |
| Vanadium | | 44 | 45 | 25 | 31 | 31 | 28 | 31 |
| Zinc | | 320 J | 300 J | 42 J | 820 J | 770 J | 82 J | 150 J |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.



**Solutia
Sauget Area 1
Background Soil
Method 8280A PCDD/PCDF Data**

| Sample ID | BS-EE-04-0-0.5FT | BS-EE-04-0-0.5FTFD | BS-EE-04-3-6FT | BS-EE-20-0-0.5FT | BS-EE-20-3-6FT | BS-EEG-108-0-0.5FT | BS-EEG-108-3-6FT |
|------------------------------|------------------|--------------------|----------------|------------------|----------------|--------------------|------------------|
| Sample Date | 01/26/00 | 01/26/00 | 01/26/00 | 01/24/00 | 01/24/00 | 01/27/00 | 01/27/00 |
| Units | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg | ug/kg |
| Compound | | | | | | | |
| 1,2,3,4,6,7,8,9-OCDD | 3.6 J | 1.7 J | 0.06 UJ | 102 | 0.08 J | 1.1 | 1.3 |
| 1,2,3,4,6,7,8,9-OCDF | 0.58 J | 0.33 J | 0.05 UJ | 22.4 | 0.03 UJ | 0.11 | 0.21 |
| 1,2,3,4,6,7,8-HxCDD | 0.19 J | 0.12 J | 0.04 UJ | 6.4 | 0.02 UJ | 0.07 | 0.1 |
| 1,2,3,4,6,7,8-HxCDF | 0.11 J | 0.1 J | 0.03 UJ | 3.2 | 0.01 UJ | 0.04 | 0.04 |
| 1,2,3,4,7,8,9-HxCDF | 0.02 UJ | 0.02 UJ | 0.03 UJ | 0.02 U | 0.01 UJ | 0.01 U | 0.02 U |
| 1,2,3,4,7,8-HxCDD | 0.02 UJ | 0.02 UJ | 0.03 UJ | 0.04 | 0.01 UJ | 0.01 U | 0.02 U |
| 1,2,3,4,7,8-HxCDF | 0.01 UJ | 0.01 UJ | 0.02 UJ | 0.14 | 0.01 UJ | 0.01 U | 0.02 U |
| 1,2,3,6,7,8-HxCDD | 0.03 UJ | 0.03 UJ | 0.04 UJ | 0.23 | 0.02 UJ | 0.02 U | 0.02 U |
| 1,2,3,6,7,8-HxCDF | 0.02 UJ | 0.02 UJ | 0.02 UJ | 0.06 M | 0.01 UJ | 0.01 U | 0.02 U |
| 1,2,3,7,8,9-HxCDD | 0.04 UJ | 0.03 UJ | 0.05 UJ | 0.15 | 0.02 UJ | 0.02 U | 0.03 U |
| 1,2,3,7,8,9-HxCDF | 0.02 UJ | 0.02 UJ | 0.02 UJ | 0.02 U | 0.01 UJ | 0.01 U | 0.02 U |
| 1,2,3,7,8-PeCDD | 0.04 UJ | 0.04 UJ | 0.05 UJ | 0.03 U | 0.03 UJ | 0.03 U | 0.04 U |
| 1,2,3,7,8-PeCDF | 0.02 UJ | 0.02 UJ | 0.03 UJ | 0.02 U | 0.01 UJ | 0.01 U | 0.02 U |
| 2,3,4,6,7,8-HxCDF | 0.02 UJ | 0.02 UJ | 0.02 UJ | 0.08 | 0.01 UJ | 0.01 U | 0.02 U |
| 2,3,4,7,8-PeCDF | 0.03 UJ | 0.02 UJ | 0.03 UJ | 0.02 U | 0.02 UJ | 0.02 U | 0.02 U |
| 2,3,7,8-TCDD | 0.02 UJ | 0.02 UJ | 0.03 UJ | 0.02 U | 0.01 UJ | 0.01 U | 0.02 U |
| 2,3,7,8-TCDF | 0.02 UJ | 0.02 UJ | 0.02 UJ | 0.01 U | 0.01 UJ | 0.01 U | 0.02 U |
| 1998 Total TEQ w/ EMPC as ND | 0.009418 | 0.007903 | 0.0403555 | 0.17244 | 0.0201595 | 0.004721 | 0.031551 |

NOTES: U - not detected, J - estimated value, N - tentatively identified, R - rejected, M - EMPC, D - result from diluted analysis, EB - equipment blank, FD - field duplicate.

Attachment IV

Residential Soil Sampling

Sauget Area I

Letter to residents (sample)

EXAMPLE LETTER



Applied Chemistry, Creative Solutions

Solutia Inc.

575 Maryville Centre Drive
St. Louis, Missouri 63141

P.O. Box 66760
St. Louis, Missouri 63166-6760
Tel 314-674-1000

HAND DELIVERED: Date _____
[Property Owner's Name]
[Street Address]
[City, State, zip]

Dear [Property Owner]:

As you know, Solutia Inc., in conjunction with the U.S. Environmental Protection Agency (USEPA), is in the process of undertaking an environmental study in the Sauget/Cahokia area, designated as Sauget Area 1. The purpose of the study is to determine the extent of contamination in and around Dead Creek caused by the disposal practices of many industries, communities, and individuals beginning in the late 1800s. This study is not the only environmental activity currently underway in the area. This past winter USEPA removed some materials from an old landfill located off Cargill Road at the southern end of Sauget. Also, Solutia is undertaking an environmental study of its Sauget plant, in cooperation with USEPA.

With your permission, Solutia recently arranged for soil samples to be taken on your property at [street address] as part of the Sauget Area 1 study. On [sample date] two samples were collected at a single location in the [yard location] area – a surface sample at 0-0.5 ft. below ground surface and a subsurface (or depth) sample at 3-6 ft. Both soil samples were analyzed by independent laboratories for the presence of specific chemicals in the following groups:

- Volatile Organic Compounds (VOCs)
- Semivolatile Organic Compounds (SVOCs)
- Polychlorinated Biphenyls (PCBs)
- Pesticides
- Herbicides
- Inorganic Compounds (including metals and inorganic salts)
- Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans ("Dioxins"), reported as Toxicity Equivalents (TEQs)

The results of the various analyses for your location (designated [sample ID]) are shown on the attached data sheets for both the surface and subsurface samples. The concentrations for the organic chemicals in soil (such as VOCs, SVOCs, PCBs, pesticides, herbicides and dioxin) are expressed as "micrograms of chemical per kilogram of soil" (ug/kg) which is equivalent to "parts per billion" (ppb). As a unit of measure one microgram per kilogram (ug/kg), or part per billion (ppb), is analogous to one second of time in 32 years. The concentrations for the inorganic compounds such as the metals and salts (calcium, potassium, magnesium) are expressed in terms of "milligrams of chemical per kilogram of soil" (mg/kg) which is equivalent to "parts per million" (ppm). Again, as a unit of measure one milligram per kilogram (mg/kg), or part per million (ppm), is analogous to one minute of time in 2 years.

For comparison with background levels of the same chemicals in the surrounding area, I have appended data sheets to include the chemical concentrations found in surface and subsurface soil samples collected from sites some distance from the area of investigation. These sites were identified by Solutia and USEPA as areas not likely to have been affected by historical waste disposal practices along Dead Creek. The following sample numbers are used to identify the locations.

EXAMPLE LETTER

| Sample ID | Location |
|------------|--|
| BS-EE-04 | Baseball field northeast of Nickell Ave., east of Falling Springs Rd. |
| BS-EE-20 | Village of Sauget Park near Falling Springs Rd. and Little Ave. |
| BS-EEG-108 | Near L. Keeley Paving & Construction Co., west side of Falling Springs Rd. |

To further assist you in interpreting the data on local soils, I have also included a table of screening levels developed by USEPA for the preliminary screening of various chemicals in residential soils. The values have been either derived using conservative calculations of potential human exposure and chemical toxicity or established as science policy decisions by the Agency. Soil concentrations below these values are generally considered protective of human health; that is, they pose a minimal risk of any adverse health effect even in sensitive persons. However, levels above the values only suggest a need for further evaluation by trained environmental scientists; they do not mean that adverse health effects will or are even likely to occur.

A consolidated summary of sample results for your property is shown below; the detailed results are found in the individual data tables. Inorganic data are not included since summary totals were not reported.

| Total Concentration in Soil | | |
|-----------------------------|-------------------|----------------------|
| Chemical Group | Surface (0-5 ft.) | Subsurface (3-6 ft.) |
| VOCs | [conc. in ug/kg] | [conc. in ug/kg] |
| SVOCs | [conc. in ug/kg] | [conc. in ug/kg] |
| PCBs | [conc. in ug/kg] | [conc. in ug/kg] |
| Pesticides | [conc. in ug/kg] | [conc. in ug/kg] |
| Herbicides | [conc. in ug/kg] | [conc. in ug/kg] |
| Dioxins (TEQs) | [conc. in ug/kg] | [conc. in ug/kg] |

This information along with other data collected in Area 1 (i.e., from undeveloped land adjacent the creek, creek sediments, creek surface waters, groundwater, and air) will be used by environmental professionals in developing overall assessments of human health and ecological risk. These assessments are scheduled for completion in the first quarter of 2001. The results will be subject to approval by USEPA and available for review by neighboring communities.

As we discussed today, if you have further questions on this material or the general status of remediation work along Dead Creek, please contact Don Ridenhower at Solutia's Sauget plant (618-910-2332). Should you have any questions concerning the properties or health effects of any of the above chemicals, you can contact David Webb, Environmental Toxicologist with the Illinois Dept. of Public Health (618-656-6680), or Tom Long, Cahokia Village technical consultant (1-866-606-6766). Any questions regarding U.S. EPA policies or guidelines can be directed to Mike McAteer, U.S. EPA Remedial Project Manager (312-886-4663).

Thank you. Solutia appreciates your cooperation.

Yours truly,

Bruce W. Eley
Manager, Environmental Affairs

**U.S. EPA Screening Levels
Guidance Values for Residential Soils**

| CHEMICAL | VALUE | UNITS | CHEMICAL | VALUE | UNITS |
|--|-------------|-------|--|---------|-------|
| <u>Volatile Organic Compounds (VOCs):</u> | | | <u>Inorganic Compounds:</u> | | |
| Acetone | 7,800,000 | ug/kg | Aluminum | 78,000 | mg/kg |
| Benzene | 12,000 | ug/kg | Antimony | 31 | mg/kg |
| Carbon Disulfide | 7,800,000 | ug/kg | Arsenic ** | 0.43 | mg/kg |
| Ethylbenzene | 7,800,000 | ug/kg | Barium | 5,500 | mg/kg |
| Methyl Ethyl Ketone (MEK, 2-Butanone) | 47,000,000 | ug/kg | Beryllium | 160 | mg/kg |
| Methylene Chloride | 85,000 | ug/kg | Cadmium | 78 | mg/kg |
| Toluene | 16,000,000 | ug/kg | Chromium (as chromium III) | 120,000 | mg/kg |
| Xylenes | 160,000,000 | ug/kg | Cobalt | 4,700 | mg/kg |
| <u>Semivolatile Organic Compounds (SVOCs):</u> | | | Copper | 3,100 | mg/kg |
| Acenaphthene | 4,700,000 | ug/kg | Iron | 23,000 | mg/kg |
| Acenaphthylene *** | 2,300,000 | ug/kg | Lead * | 400 | mg/kg |
| Anthracene | 23,000,000 | ug/kg | Manganese | 11,000 | mg/kg |
| Benzo(a)anthracene | 870 | ug/kg | Mercury | 23 | mg/kg |
| Benzo(a)pyrene | 87 | ug/kg | Molybdenum | 390 | mg/kg |
| Benzo(b)fluoranthene | 870 | ug/kg | Nickel | 1,600 | mg/kg |
| Benzo(g,h,i)perylene *** | 2,300,000 | ug/kg | Selenium | 390 | mg/kg |
| Benzo(k)fluoranthene | 8,700 | ug/kg | Silver | 390 | mg/kg |
| Butylbenzylphthalate | 16,000,000 | ug/kg | Thallium | 5.5 | mg/kg |
| Carbazole | 32,000 | ug/kg | Vanadium | 550 | mg/kg |
| Chrysene | 87,000 | ug/kg | Zinc | 23,000 | mg/kg |
| Di-n-butylphthalate | 7,800,000 | ug/kg | | | |
| Dibenzo(a,h)anthracene | 87 | ug/kg | | | |
| Dibenzofuran | 310,000 | ug/kg | <u>Dioxins:</u> | | |
| Diethylphthalate | 63,000,000 | ug/kg | 1998 Toxicity Equivalents (TEQs) * | 1 | ug/kg |
| Fluoranthene | 3,100,000 | ug/kg | | | |
| Indenol(1,2,3-cd)pyrene | 870 | ug/kg | | | |
| Phenanthrene *** | 2,300,000 | ug/kg | | | |
| Pyrene | 2,300,000 | ug/kg | | | |
| bis(2-Ethylhexyl)phthalate | 46,000 | ug/kg | | | |
| <u>Polychlorinated Biphenyls (PCBs) *</u> | 1,000 | ug/kg | | | |
| <u>Pesticides:</u> | | | <u>Herbicides:</u> | | |
| 4,4'-DDD | 2,700 | ug/kg | 2,4,5-TP (Silvex) | 630,000 | ug/kg |
| 4,4'-DDE | 1,900 | ug/kg | 2,4-Dichlorophenoxyacetic acid (2,4-D) | 780,000 | ug/kg |
| 4,4'-DDT | 1,900 | ug/kg | 2,4-Dichlorophenoxy butyric acid (2,4-DB) | 630,000 | ug/kg |
| Aldrin | 38 | ug/kg | MCPA (methyl chlorophenoxy acetic acid) | 39,000 | ug/kg |
| Chlordane (alpha/gamma) | 1,800 | ug/kg | MCPP (methyl chlorophenoxy propionic acid) | 78,000 | ug/kg |
| Dieldrin | 40 | ug/kg | Pentachlorophenol | 5,300 | ug/kg |
| Endosulfan sulfate | 470,000 | ug/kg | | | |
| Endrin | 23,000 | ug/kg | | | |
| Heptachlor | 140 | ug/kg | | | |
| Heptachlor epoxide | 70 | ug/kg | | | |
| Methoxychlor | 390,000 | ug/kg | | | |
| beta-HCH (beta-BHC) | 350 | ug/kg | | | |
| gamma-HCH (Lindane, gamma-BHC) | 490 | ug/kg | | | |

Units: ug/kg = micrograms of chemical per kilogram of soil (equivalent to Parts per Billion, or PPB)

mg/kg = milligrams of chemical per kilogram of soil (equivalent to Parts per Million, or PPM)

* Values for PCBs, dioxin, and lead are based on U.S. EPA science policy decisions.

** Background levels of arsenic in Illinois urban soils range from 1.1 - 24 mg/kg, with a mean of 7.4 mg/kg.

*** Value is based on chemical similarity to Pyrene.

SOURCE: EPA Region III Risk-Based Concentration Table, 4/13/2000

Attachment V

USEPA Fact Sheet

Dead Creek Cleanup Update



United States
Environmental Protection
Agency

Office of Public Affairs
Region 5
77 West Jackson Boulevard (P-19J)
Chicago, Illinois 60604

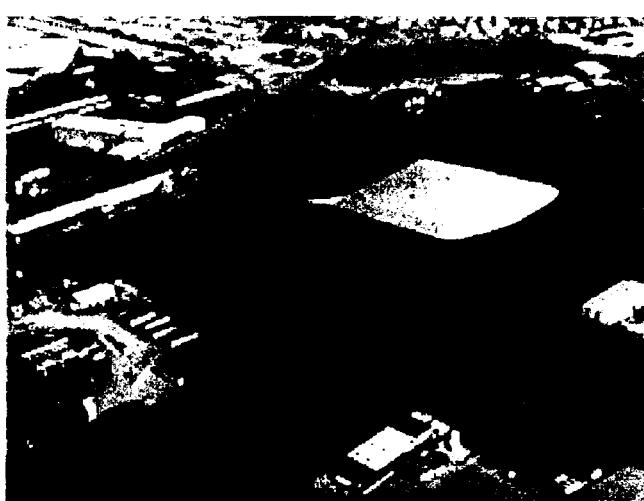
Illinois
Michigan
Ohio

Indiana
Minnesota
Wisconsin

Dead Creek Cleanup Update

Introduction

This fact sheet provides an update of cleanup activities of Dead Creek, which is part of the Sauget Area 1 Site in the villages of Sauget and Cahokia, in St. Clair County, Illinois. The United States Environmental Protection Agency (EPA), in coordination with the Illinois Environmental Protection Agency (IEPA), is overseeing the investigation and cleanup of Dead Creek.



Current Status

On May 31, 2000, EPA issued a Unilateral Order requiring Solutia, Incorporated (Solutia) and the Monsanto Company (Monsanto) to remove sediments along Dead Creek from Queeny Avenue south to Route 157 (Camp Jackson Road). Pursuant to this Order, approximately 50,000 cubic yards of contaminated sediments (polychlorinated biphenyls [PCBs], heavy metals and some organic contaminants) will be removed, drained of any moisture and placed in an on-site Toxic Substance Control Act (TSCA) containment cell.

This above-ground containment cell will be located north of Judith Lane along the west bank of Dead Creek. The cell will cover approximately 5 acres and will rise about 25 feet

above the surface. The containment cell will be positioned so that its base sits higher than the natural ground surface and the cell will be double-lined with synthetic material to minimize the possibility of leaks reaching the underlying groundwater. Leak detection systems will also be built into the cell, and groundwater will be routinely monitored to ensure that none of the contamination in the cell releases to the environment.

The removal of contaminated sediments in Dead Creek will begin early Spring 2001. However some preparatory activities are expected to begin this fall. Next spring, residents living along Dead Creek can expect to see workers dressed in protective suits, with some wearing respirators, while they are conducting this work.

In addition to the above contaminated sediment removal project, an additional investigation of Sauget Area 1 wastes is currently being conducted under a separate enforcement agreement between EPA, Solutia and Monsanto. Pursuant to this agreement, Solutia and Monsanto recently collected soil samples from several homes along Dead Creek. Preliminary results show no unsafe levels of metals, PCBs, or other contaminants associated with the Dead Creek contamination. Those residents who had their properties sampled should receive their results from Solutia within the next several weeks.

Also pursuant to this agreement, Monsanto and Solutia are conducting a comprehensive residential risk assessment for the Sauget Area 1 site. This risk assessment, which should be completed by Spring 2001, will detail what risks, if any, the Sauget Area 1 site may pose to the health of residents.



FOR ADDITIONAL INFORMATION

If you have questions about the information in this fact sheet or the Sauget Area 1 & 2 Superfund sites, please write or call the contacts listed below.

U.S. EPA Contacts

Leo Rosales
Community Involvement Coordinator
U.S. EPA (P-19J)
77 West Jackson Blvd.
Chicago, IL 60604-3590
(312) 353-6198
(800) 621-8431, ext. 36198
rosales.leo@epa.gov

Mike McAteer
Remedial Project Manager
U.S. EPA (SR-6J)
77 West Jackson Blvd.
Chicago, IL 60604-3590
(312) 886-4663
(800) 621-8431, ext. 64663
mcateer.michael@epa.gov

Sauget Areas 1 & 2 Superfund Site Information is available for review at the information repository at:

**Cahokia Public Library
140 Cahokia Avenue
Cahokia, IL 62202
(618) 332-1491**

Site documents are also available for review in the U.S. EPA Records Center (7th Floor) in Chicago, Illinois.



U.S. Environmental Protection Agency
Region 5
Office of Public Affairs
77 West Jackson Boulevard (P-19J)
Chicago, IL 60604-3590

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